FUTURA

Operating Manual

Original Instructions

D443236XA

vers. 2.0

EN

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Said trade-marks or trade names are nominated only for the purposes of information so that any lock for which our keys are made can be rapidly identified.

INDICE

USE OF THE MANUAL 1

GENERAL WARNINGS 4

1 MACHINE DESCRIPTION 5

1.1 Main OPERATING parts 6

1.2 Safety7

1.3 Technical Data 8

1.4 ACCESSORIES PROVIDED 9

2 HANDLING 10

2.1 Packing 10

2.2 Unpacking 10

2.3 Handling the machine 10

3 MACHINE INSTALLATION AND PREPARATION 11

3.1 CHECKING FOR DAMAGE 11

3.2 ENVIRONMENTAL CONDITIONS 11

3.3 POSITIONING 11

3.4 SEPARATE PARTS 12

3.4.1 Tablet stand and tablet 12

3.4.2 Power pack and lead 13

3.4.3 Fixing bracket 13

3.5 Work station description 14

4 TABLET REGULATION AND USE 15

4.1 CHOICE OF LANGUAGE 15

5 CLAMPS 17

5.1 Clamps for FLAT KEYS WITH STANDARD CUTS - 01V 17

5.1.1 Use of the gauge 18

5.1.2 Stop positions (key stop) 19

5.1.3 Use of pins - CLAMP 01V 19

5.1.4 Cutting cruciform keys (with 3 fins) 20

5.1.5 Removing/fitting the clamp 01V 21

5.2 CLAMP FOR DIMPLE AND TRACK KEYS - 01R 22

5.2.1 DIMPLE keys 22

5.2.2 TRACK type keys 23

5.3 Removing/fitting clamp 01R 23

5.4 Removing/fitting the jaws on clamp 01R 24

5.5 Using tracer 01T 25

6 CLEANING 26

7 MAINTENANCE 27

7.1 OPERATIONS 27

7.2 ACCESS TO REAR COMPARTMENT 27

7.3 PRISMATIC CUTTER REPLACEMENT 28

7.4 CYLINDRICAL CUTTER AND/OR TRACER POINT REPLACEMENT 29
7.5 TRACER 01T REPLACEMENT 29
7.6 CHECKING AND REPLACING FUSE 30
7.7 BATTERY REPLACEMENT 31
8 DECOMMISSIONING 32
9 ASSISTANCE 33
9.1 HOW TO REQUEST SERVICE 33
10 ELECTRICAL DIAGRAMS 34

SOFTWARE GUIDE 1SW

USE OF THE MANUAL

This manual has been drawn up by the Manufacturer and is an integral part of the machine literature.
The manual gives information it is obligatory for the operator to know and which makes it possible to use the machine safely.

User's Manual
This user's manual is provided because it is essential for proper use and maintenance of the machine.
The manual must be kept carefully throughout the life of the machine, including the decommissioning stage. Keep in a dry place close to the machine where it is always to hand for the operator.

IT IS OBLIGATORY to read the manual carefully before using the machine.

Readers' characteristics
This manual must be read and its contents acquired by those who will use it.

Manufacturer's ID
FUTURA has an ID plate located on the back of the machine, showing the serial number.

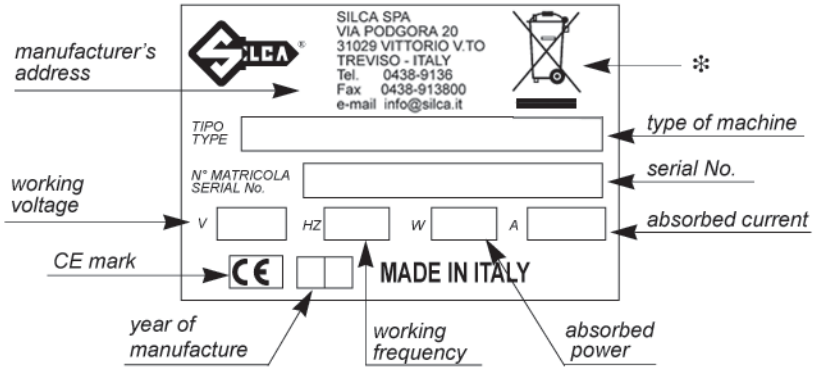

Fig. 1

(*) see chap. 8 DECOMMISSIONING.

How to apply for after-sales service
Silca provides purchasers of FUTURA with After-Sales Service.
For the total safety of the operator and machine, any operation not described in the manual must be carried out by the manufacturer or in the special Service Centres recommended by Silca.
At the end of the manual there is a list of manufacturers' and authorized Service Centre addresses.
The warranty card attached to the machine covers free repairs or replacement of faulty parts for 24 months from the date of purchase*. All operations must be agreed by the user with Silca or the Service Centre.

** Damage caused by negligence or wrong use of the machine by the user will null the warranty.*

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TERMINOLOGY

For those inexperienced in the subject of keys and key cutting, below is an illustration of the most frequently used terms:

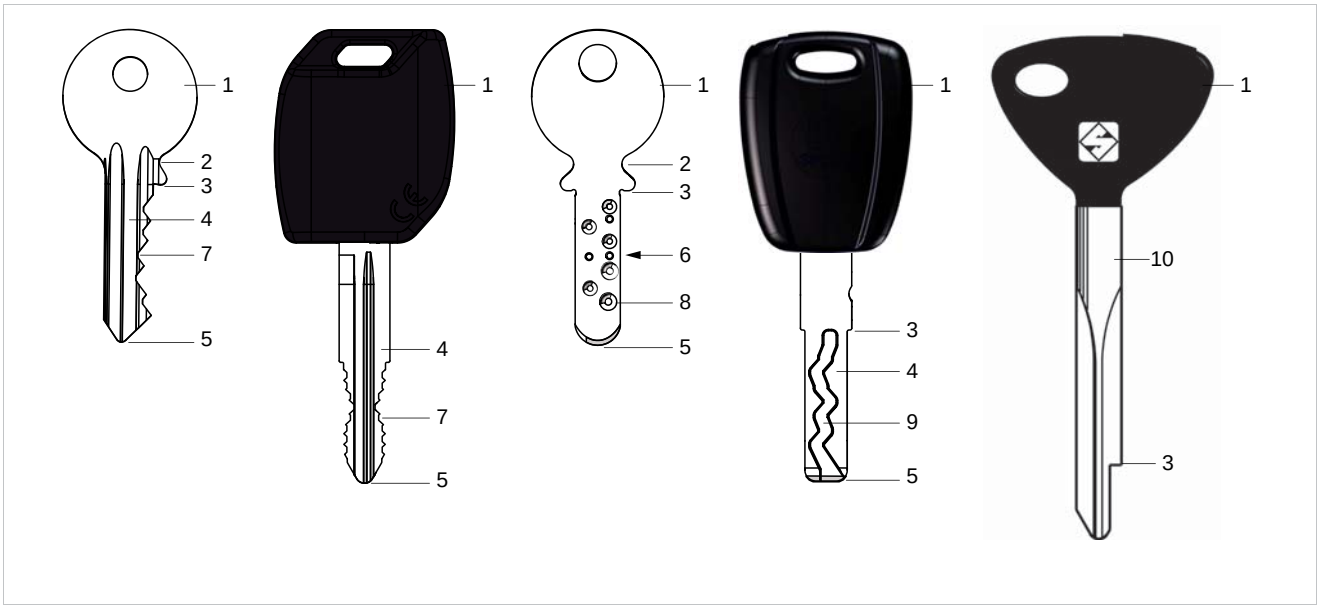

Fig. 2

1) Head	4) Blade (stem)	7) STANDARD cutting	10) Stem
2) Neck	5) Tip	8) DIMPLE cutting	
3) Stop	6) Back	9) TRACK cutting	

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GRAPHICS IN THE MANUAL

Pay attention	Obligation to read the manual	QR* code

GRAPHICS ON THE FUTURA KEY-CUTTING MACHINE

Do not clean with compressed air	Obligation to read the manual	QR* code

Adhesive label Mass - RPM	Laser warning labels	

(*) A QR code is a two dimensional bar code used to memorize information to be read by means of a mobile phone or smart phone. Read the QR code on the machine to connect to useful and constantly updated information relating to key-cutting machine maintenance, useful tips for your FUTURA key-cutting machine and see the continuously evolving range of optional accessories.

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GENERAL WARNINGS

FUTURA is designed to the principles of European Standards (CE).
Right from the design stage solutions have been adopted to eliminate hazards for the operator in all the stages of use: handling, regulation, use and maintenance.
The materials used in manufacture and the components employed in using FUTURA are not dangerous and ensure that the machine complies to current standards.
Silca S.p.A. has also experimented and applied numerous technical solutions that allow the key-cutting machine to optimize the quality of the cut keys.
To guarantee maintaining these results over time, please follow the instructions below:

- **Observe the procedures described in this manual;**
- **Always use Original Silca Tools as they are designed to make the best of FUTURA and provide quality key-cutting;**
- **Use Silca key blanks, made with top quality materials;**
- **Have the key-cutting machine checked periodically by an authorized Silca After-Sales Service Centre (list at the end of this manual);**
- **Always use Silca Original Spare Parts. Beware of imitations!**

NORMAL USE

FUTURA is a key-cutting machine and must be installed and used according to the rules and specifications established by the manufacturer.
The FUTURA key-cutting machine is designed for use on business or industrial premises (e.g. hardware shops, key cutting centres, etc...).
Any other use different from that indicated in this manual will cause the forfeiture of all customers' rights to make claims on Silca S.p.A. and may be an unknown source of hazard for the operator or third parties.

ATTENTION: Negligent use or failure by the operator to observe the instructions in this manual are not covered by the warranty and the manufacturer declines any responsibility in such cases.

RESIDUAL RISKS

No further risks will arise when properly using the FUTURA machine.

SAFETY REGULATIONS

- **Always disconnect the machine when it is not in use or when performing maintenance operations.**
- **Check the electrical wiring periodically; replace any wires that show signs of wear.**
- **Always work with dry hands free of grease or oil.**
- **Never tug on the electricity supply lead and make sure it is not in contact with oil or other liquids, sharp objects or heat. Never remove the earthing pin from the plug. Check that the earthing wire is connected properly.**
- **Do not use the machine in dangerous environments (wet or damp).**
- **All visitors, especially children, must stay at a safe distance from the machine and must never come into contact with the electric wiring.**

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1 MACHINE DESCRIPTION

FUTURA is an electronic machine operating on 3 axes with controlled movement.
Accurately studied, it adds a high degree of cutting precision to operating speed and ease of use.

FUTURA operates only when connected to a TABLET containing a Silca program.

It uses a laser reader to read and/or codify flat keys with standard cuts.

It uses a tracer to decode keys with dimple and/or track cuts.

It can cut keys (in ferrous materials in general, brass, silver nickel, etc.) having:

- **Standard cuts**
- **Dimple cuts**
- **Track cuts**
- **Special cuts (e.g. Ford Tibbe - with optional accessory)**
- **Cuts on tubular keys (with optional acces)**

FUTURA is used to cut the following types of keys:

Keys with STANDARD CUTS

Fig. 3

Keys with DIMPLE and/or TRACK CUTS

Fig. 4

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1.1 MAIN OPERATING PARTS

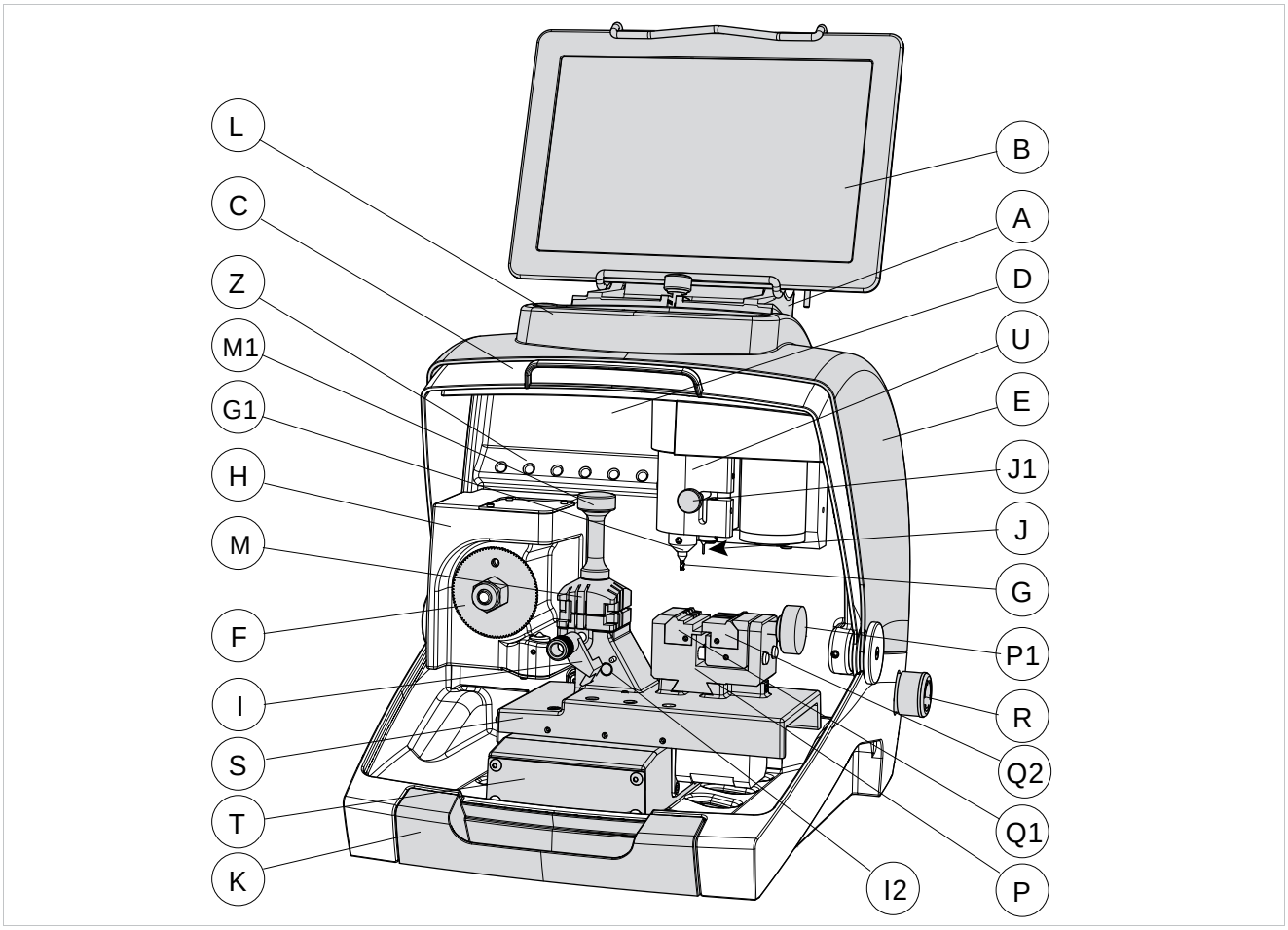

Fig. 5

A - Tablet stand
B - Tablet
C - Safety shield
D - Lamp
E - Cover
F - Prismatic cutter (Standard cuts)
G - Cutter (Dimple/Track cuts)
G1 - Cutter shaft (Dimple/Track cuts)
H - Optic reader
I - Gauge
I2 - Gauge sensor
J - Tracer 01T
J1 - Tracer movement lever
L - Tool compartment
K - Swarf collection tray
M - Clamp 01V (Standard cuts)
M1 - Clamp knob (01V)
P - Clamp 01R (Dimple/Track cuts)
P1 - Clamp knob (01R)
Q1 - Left-hand jaw
Q2 - Right-hand jaw
R - ON/Emergency push button
S - X axis carriage
T - Y axis carriage
U - Z axis carriage
V - Ethernet port
W - Power pack
W1 - Power pack connector
Y - USB port
Z - Tool holder

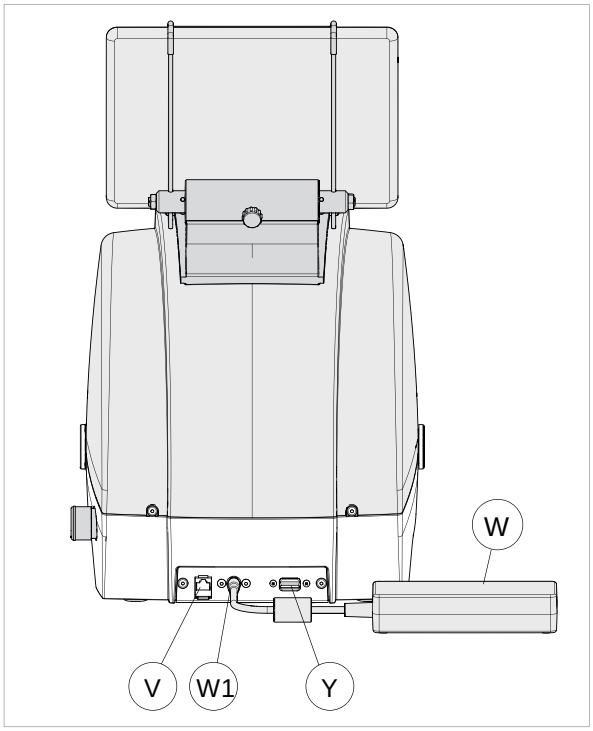

Fig. 6

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1.2 SAFETY

FUTURA is entirely built in compliance to the Machine Directives. The operations for which it has been designed are easily carried out with no risk to the operator.
The adoption of general safety precautions and observation of the instructions provided by the manufacturer in this manual eliminate all human error, unless deliberate.
FUTURA is designed with features which make it completely safe.

- **Safety shield**

The protective shield is designed to cover the working parts as completely as possible, ensuring operator safety.
The shield (C) must be raised in order to fit keys for cutting or carry out other operations (Fig. 7).
Raising the shield by means of a microswitch will deactivate the operating and movement functions, including the cutter, and failed shield closing will be notified with a special message on the tablet.
To re-activate the work cycle, lower the shield and follow the instructions on the tablet.

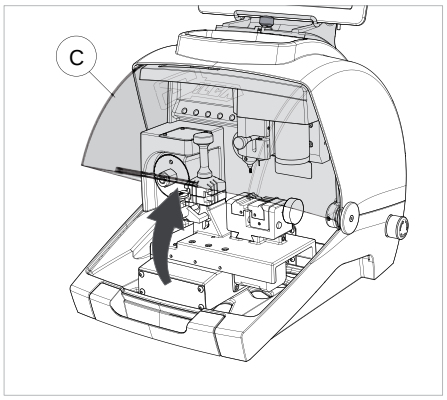

Fig. 7

- **Emergency stop**

Use the red emergency button (R) (Fig. 5), located on the right-hand side of the machine to stop the machine immediately in the event of serious malfunctioning or a hazard for the operator.
When the cause of the emergency has been eliminated, turn the button 45° clockwise to disactivate it.

NOTE: the operator is responsible for keeping the area around the button clear so that it can be reached as quickly as possible.

- **Laser warning**

Regulations require that warning label (supplied - chap.1.4) in the language to be used be attached to the optical reader, as shown in Fig. 8.

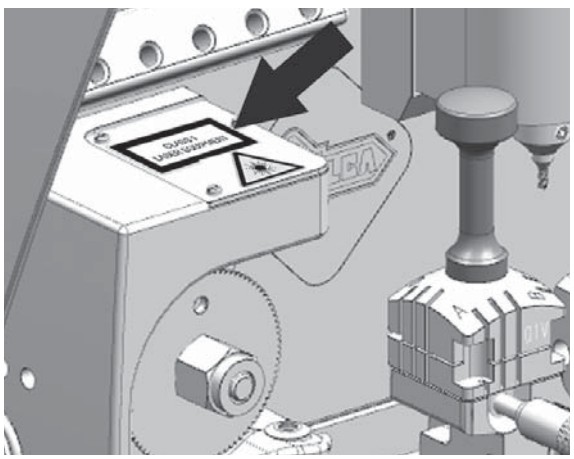

Fig. 8

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1.3 TECHNICAL DATA

Electricity supply:	**Machine:** 24V d.c. - 2,2 Amp. - 55W **Power pack:** 90/264V a.c. - 50/60Hz - 120W - MEANWELL GS120A24-P1M
Cutter motor (Standard cuts):	24V d.c.
Cutter motor (Dimple/Track cuts):	24V d.c.
Prismatic cutter (Standard cuts):	in HSS super rapid steel, coated
Cutter (Dimple cuts):	in HSS Super Rapid steel
Cutter (Track cuts):	in HSS Super Rapid steel, coated
Tool speed:	prismatic cutter (Standard cuts): 1100 rpm cutter (Dimple/Track cuts): 7000 rpm
Movement:	on 3 axes (with special bushes) driven by step motors (on rectified roller guides)
Clamp 01V : **(for standard cuts)**	removable, with 4 universal sides for holding flat keys, vehicle keys and cruciform keys
Clamp 01R **(for Dimple/Track cuts)**	removable and provided with interchangeable jaws
Runs:	X axis: 30 mm Y axis: 50 mm Z axis: 27 mm
Dimensions:	width: 318 mm depth: 413 mm height with tablet and stand: 522 mm (340 mm without tablet and stand)
Mass:	Kg. 20
Noise level:	sound pressure Lp(A) = - brass flat keys: 72.0 dB(A) - steel flat keys: 74.5 dB(A) - brass dimple keys: 70.0 dB(A) - brass track keys: 74.0 dB(A) - steel track keys: 75.0 dB(A)

CLASS 1 LASER READER:

- Maximum radiation with safety lock excluded: 230 µW
- Wave length: 790,6 µm (invisible)
- Classed to: EN 60825-1 2007

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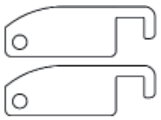
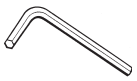
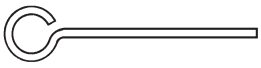
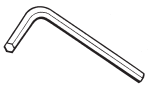
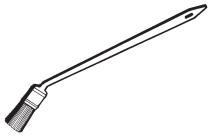
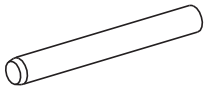
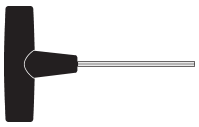
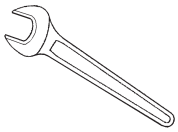
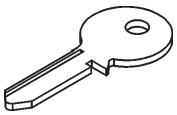
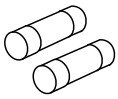
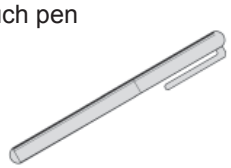
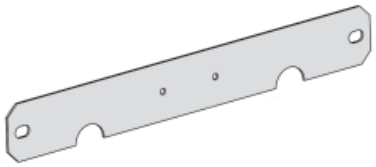
1.4 ACCESSORIES PROVIDED

FUTURA comes with a set of accessories for its operation and maintenance (tools, hex wrenches...) supplied in a special tool kit comprising:

stop bar 	cutter 01D	2 mm allen key 
ø 1,7 mm steel pin 	tracer point 02T	2,5 mm allen key 
ø 1,2 mm steel pin	universal adapter	3 mm allen key
slanted brush 	cutter release rod 	“T” allen key 2,5 mm 
laser warning label	19 mm spanner 	template Z3 (regulating key) 
fuses 4 Amp.- delayed 	stylus touch pen 	

Cutters and tracers on machine:		
cutter 01F	fresa 01L	tracer point 01T

Separately:
Fixing bracket 

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2 HANDLING

The FUTURA key-cutting machine is easy to handle and there are no special hazards involved in moving it.
The packed machine can by carried manually by one person.

2.1 PACKING

The packing for the FUTURA key-cutting machine ensures safe handling of the machine and all its components.
Packing comprises expanded plastic material wrapped around the machine.
The robust cardboard box in which it is placed and the nylon wrapping protect the machine even when stored for a long period.

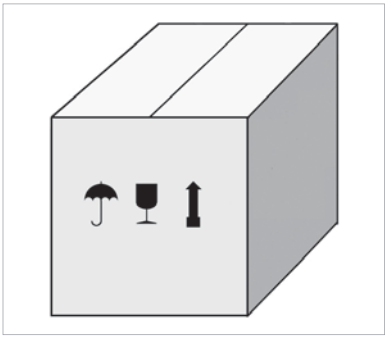

Fig. 9

Keep dry

Handle with care

Up

The symbols on the outside of the cardboard box give indications for transport.

ATTENTION: keep the complete packing for future machine transfers.

2.2 UNPACKING

To remove the machine from its packing:

1) Cut the strapping with scissors and remove.
2) Open the box carefully without damaging it.
3) Free the machine from the protective shells.
4) Check the contents of the packing, comprisingda:
   - FUTURA key-cutting machine
   - documentation comprising: user's manual, spare parts sheet, specialist guide and warranty
   - tablet
   - tablet stand
   - power lead
   - power pack
   - tool kit
   - fixing bracket

2.3 HANDLING THE MACHINE

Once removed from its packing place FUTURA directly on the work bench; one person can easily perform this operation.

ATTENTION: lift the machine by holding onto the base. Never lift the machine by gripping the clamps, levers or other parts.

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3 MACHINE INSTALLATION AND PREPARATION

Installation is the customer's task and does not require any special skills.
The key-cutting machine is supplied ready for use and does not need calibration except for the tools to be used; however, the operator is required to make certain checks and prepare the machine for use.

3.1 CHECKING FOR DAMAGE

FUTURA is a solid compact machine and will not break if handling, unpacking and installation are carried out to the instructions in this manual. However, it is good practice to check that the machine has not been damaged.

3.2 ENVIRONMENTAL CONDITIONS

To make the most of the key-cutting machine, bear in mind the following environmental parameters: it is advisable for the area to be dry with good air circulation.
The optimum environmental conditions for machine operation are:

- temperature 10° C to 40°C;
- relative humidity: approx 60%.

3.3 POSITIONING

1) Place the key-cutting machine on a solid horizontal work bench suitable for the weight of the machine (20 Kg). The work bench should be approximately 100-120 cm high to facilitate access to the working parts. We recommend leaving at least 30 cm clearance behind and around the machine to ensure good ventilation and facilitate handling (Fig. 10).
2) Make sure machine voltage is suitable for the mains supply and that the latter is earthed with a differential switch.
3) Connect the power lead (power pack) to the machine (chap.3.4.2).

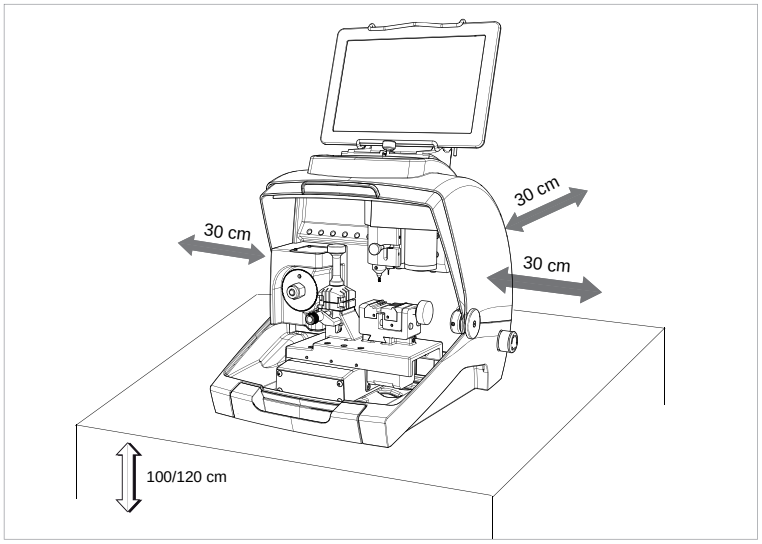

Fig. 10

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3.4 SEPARATE PARTS

The machine packing also contains the following components, separately packed:

3.4.1 Tablet stand and tablet

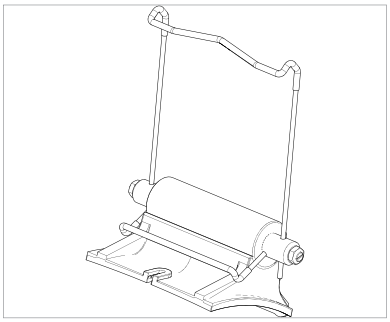

Fig. 11

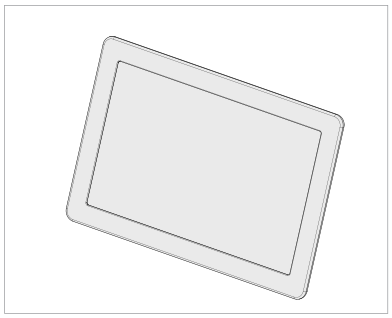

Fig. 12

These items are separate from the machine and must be unpacked and installed by the operator in the way described below:

1) Remove the 2 items from their packing.
2) Loosen the knob on top of the machine cover (Fig. 13).
3) Install the tablet stand so that the special profile fits into the slot on the machine cover (Fig. 14).
4) Screw down and tighten the knob to secure the tablet stand to the cover (Fig. 15).
5) Fit the tablet into its stand (Fig. 16).

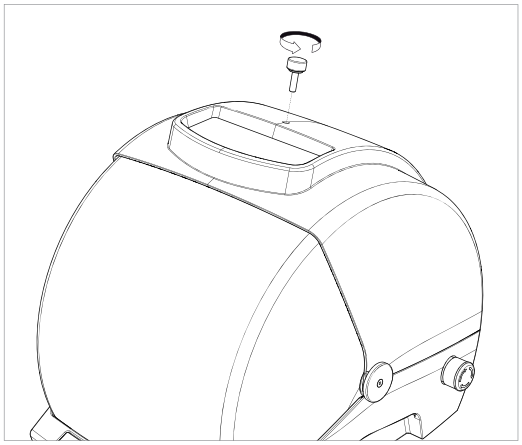

Fig. 13

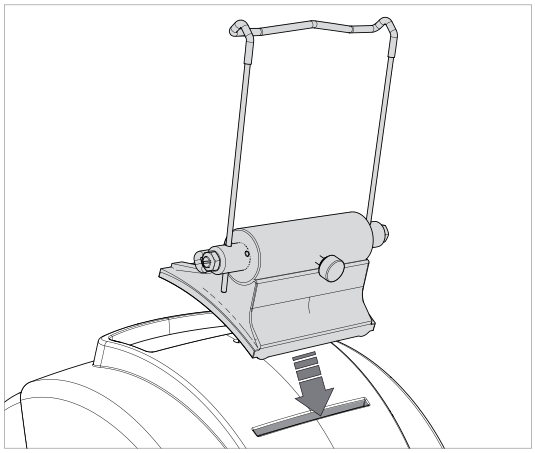

Fig. 14

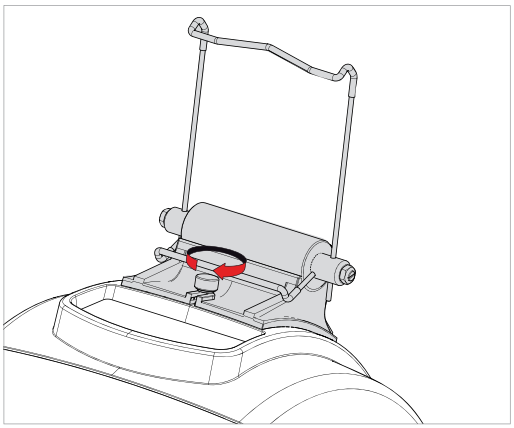

Fig. 15

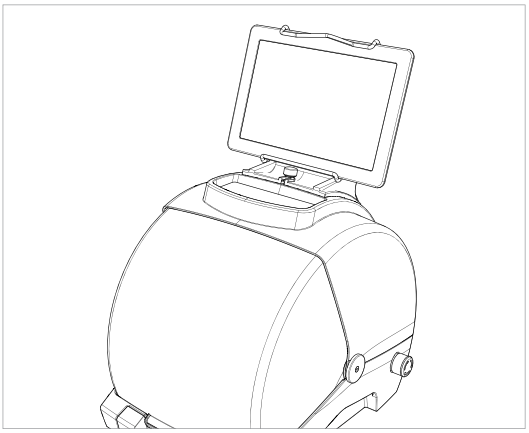

Fig. 16

6) Connect the tablet USB/Micro USB cable to the special receptacle and then to the power supply.

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3.4.2 Power pack and lead

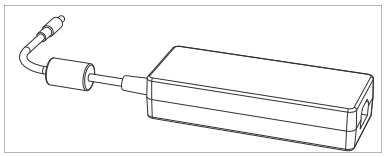

Fig. 17

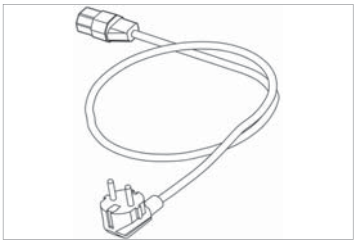

Fig. 18

Connect FUTURA to the power pack (W) and connect the latter to the power supply with the power lead (W2).

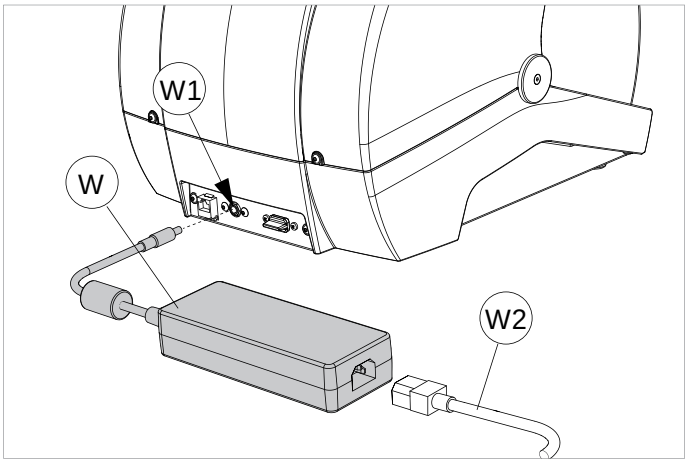

Fig. 19

3.4.3 Fixing bracket

If the key-cutting machine is transported and used on a vehicle, e.g. a van, it must be prepared as follows:

1) Turn off the machine and detach the power lead.
2) Remove the tablet holder and tablet.
3) Turn the key-cutting machine onto its back.
4) Connect the fixing bracket to the machine and secure with the 2 screws.
5) Return the machine to its upright position on the work top.

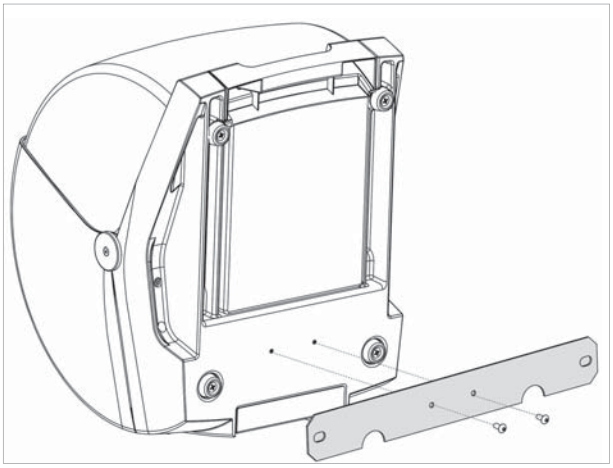

Fig. 20

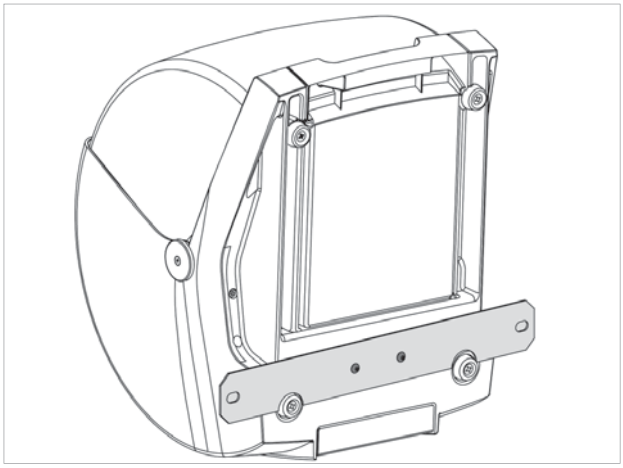

Fig. 21

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3.5 WORK STATION DESCRIPTION

One operator is enough to operate the machine, which has the following operating parts:

- **General ON/OFF/emergency button (R) located on the right-hand side of the machine**
- **Key holding clamps (M) (P)**
- **Tablet (B)**
- **Tablet ON button (B1)**
- **Safety shield (C)**
- **Cutters (F) (G)**

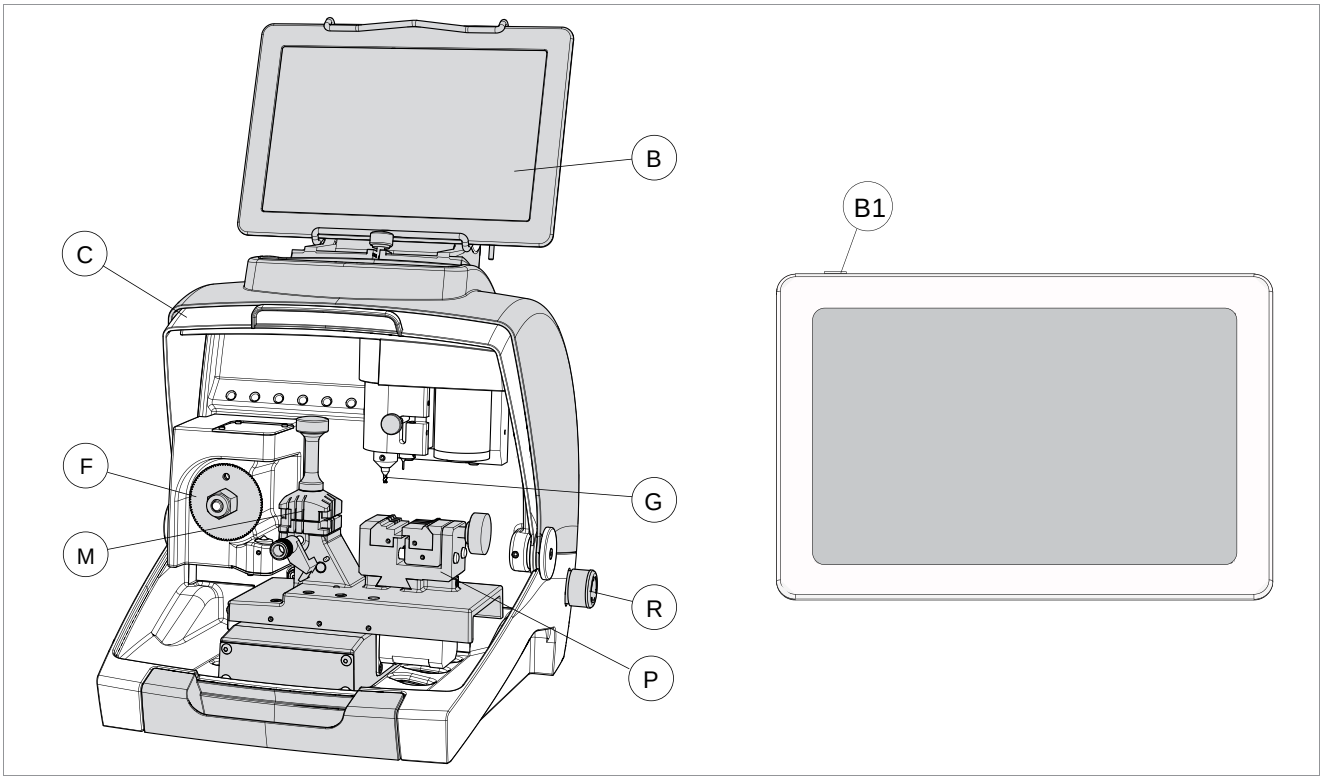

Fig. 22

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4 TABLET REGULATION AND USE

1) Connect the tablet to the mains by means of its power pack in order to charge it (3 hours for the first charge).
2) Turn on the tablet by holding down the push button (B1) (Fig. 22) holding it down for a few seconds.

REGULATING TABLET INCLINATION TABLET

1) Loosen the knob (B2).
2) Incline the stand as required.
3) Tighten the knob (B2).

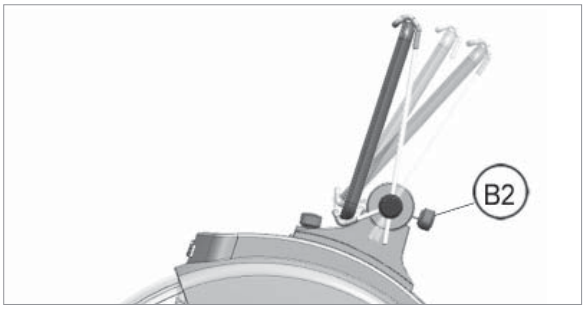
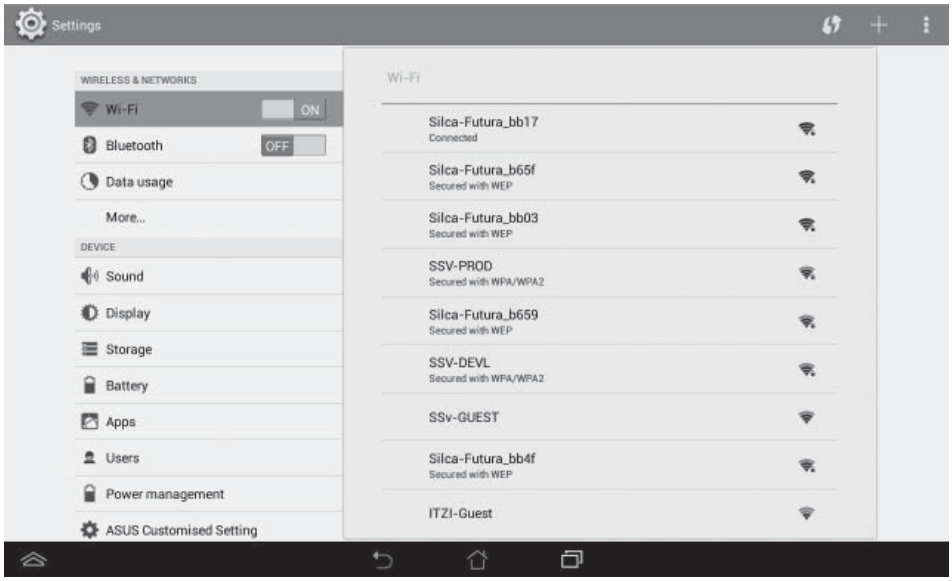


Fig. 23

4.1 CHOICE OF LANGUAGE

1) Select “Settings”.



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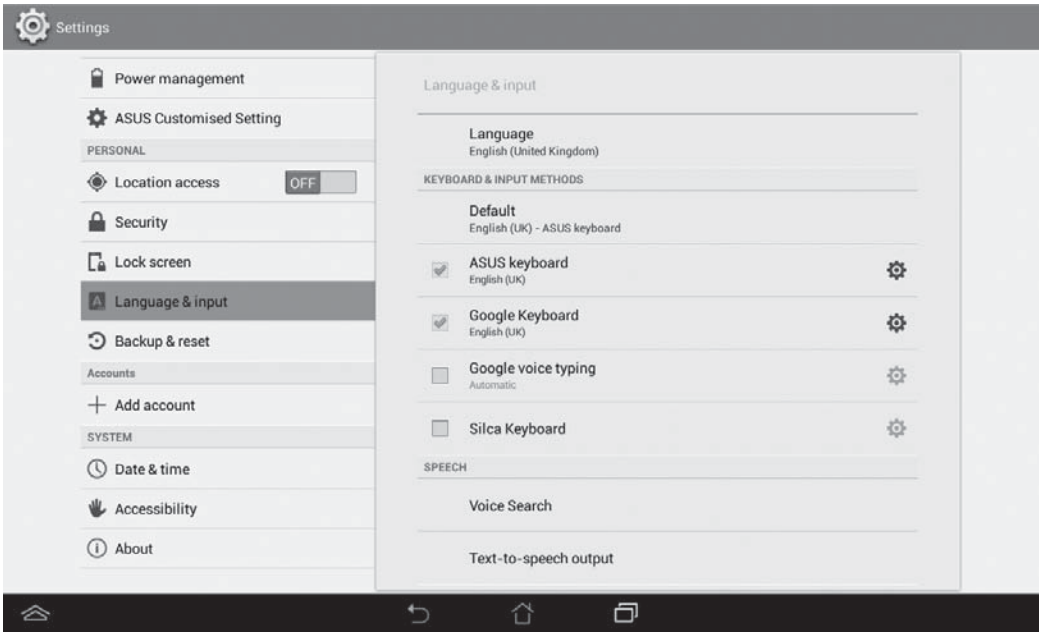
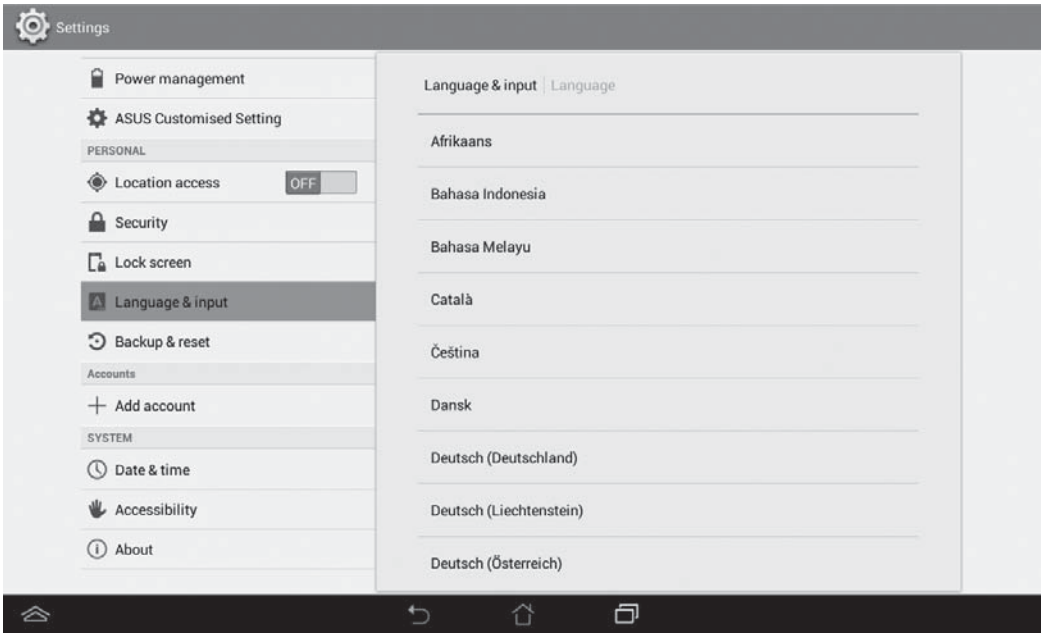
2) Scroll up with your finger.
3) Select Language & Input and then Language (on the right).





4) Scroll and select the required .
5) To quit:

- For all Silca key-cutting machine software functionalities follow the instructions in the SOFTWARE Guide section in this manual.
- Further instructions are given in the quick guide for the tablet.

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5 CLAMPS

5.1 CLAMPS FOR FLAT KEYS WITH STANDARD CUTS - 01V

The use of one of the clamp sides is required, according to the type of key to be decoded and/or cut by copying or by code (Fig. 25). Positioning the correct side to be used is quick and easy. With the clamp jaws slightly open, turn the clamp by hand to position it as required, facilitated by a new special alignment system (Fig. 26).

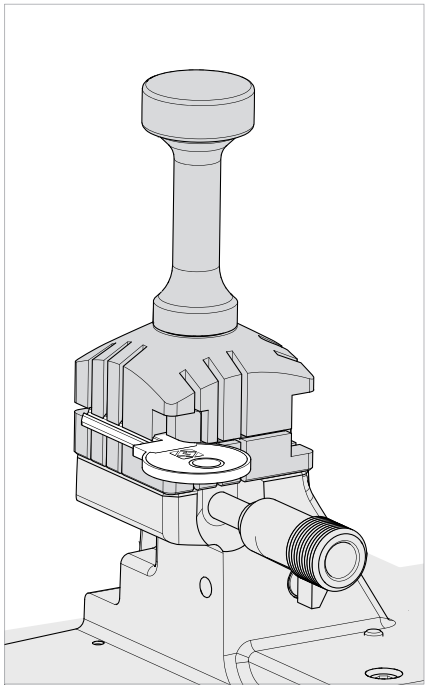

Fig. 24

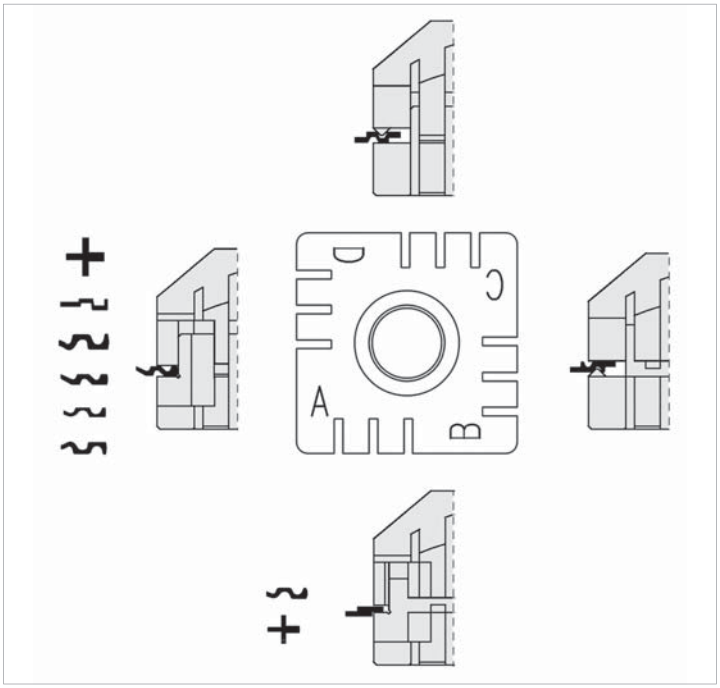

Fig. 25

The 4-sided clamp is used to secure keys firmly up against the back and on the profile.

- To copy keys (these can be locked on any of the clamp sides A, B, C or D), the user will decide which side is the most suitable.
- For code key-cutting the choice of clamp to use is established by the software.

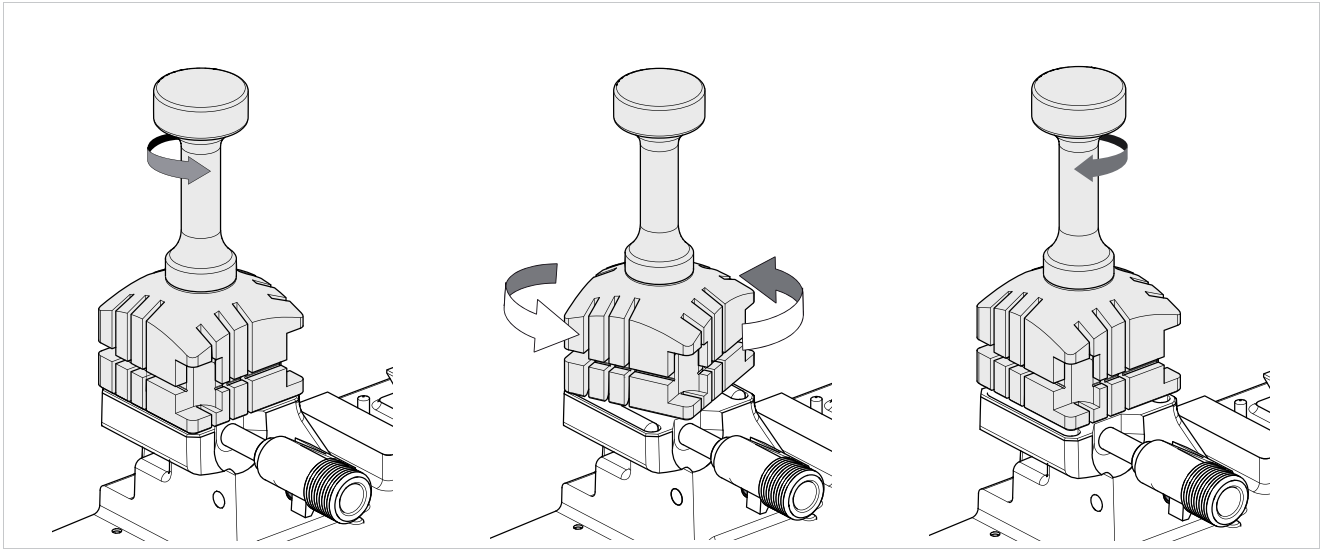

Fig. 26 - CLAMP ROTATION

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5.1.1 Use of the gauge

The gauge is used to position flat cylinder or vehicle keys with Stop 0 (Fig. 33).

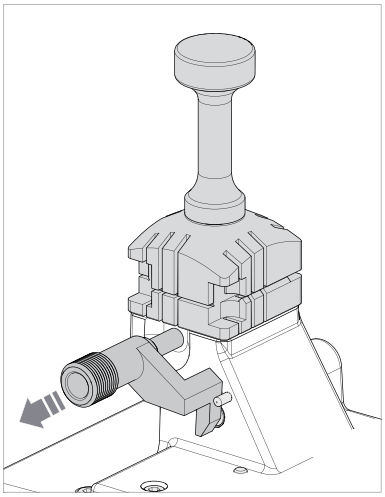

Fig. 27

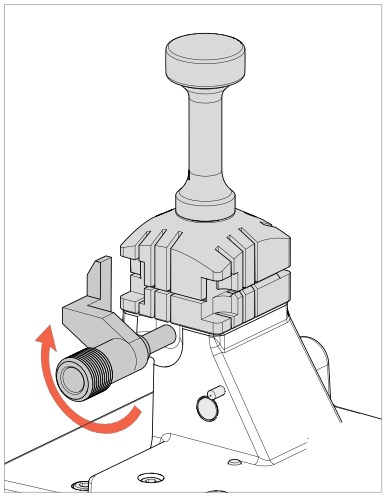

Fig. 28

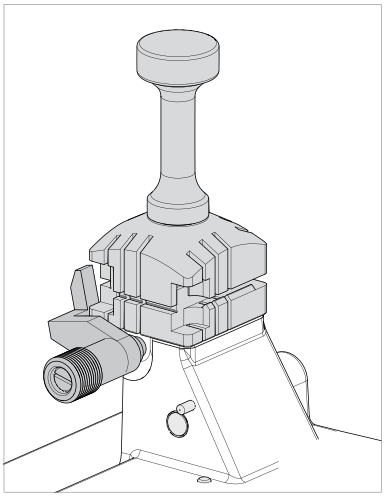

Fig. 29

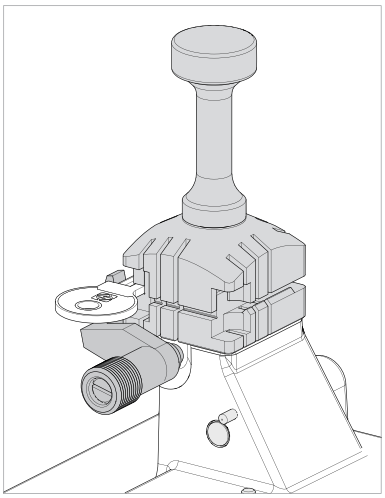

Fig. 30

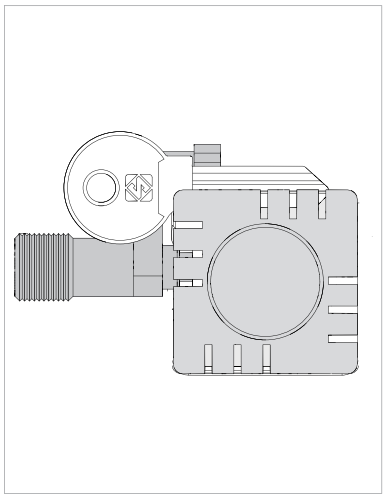

Fig. 31

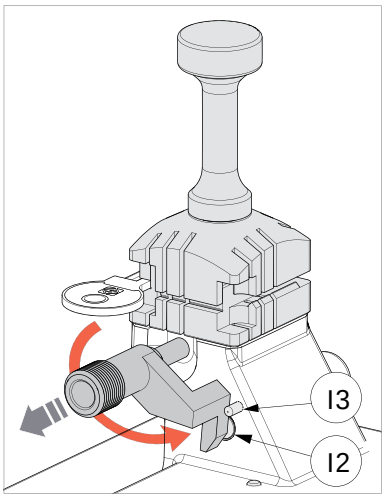

Fig. 32

Pull the gauge gently towards the operator, turn clockwise by about 180° and release against the clamp.
Fit the sample key into the clamp with the stop up against the gauge.
Use the bar (provided) to align the tip of keys without stops (Fig. 34).
The choice of position 1-2-3-4 depends on the length of the cut.

NOTE: take the gauge back by hand to its original position before starting to read or cut the key (Fig. 32).

For all reading/decoding and cutting operations the gauge (I) must be taken back manually to its original position (Fig. 32 - in this position it covers the sensor (I2) which detects it).
To take the gauge to its original position (with the gauge up against the key stop) proceed as follows:

1) Turn anti-clockwise;
2) Pull towards the operator and continue to rotate anti-clockwise until it comes up against the stop pin (I3);
3) Release the gauge.

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5.1.2 Stop positions (key stop)

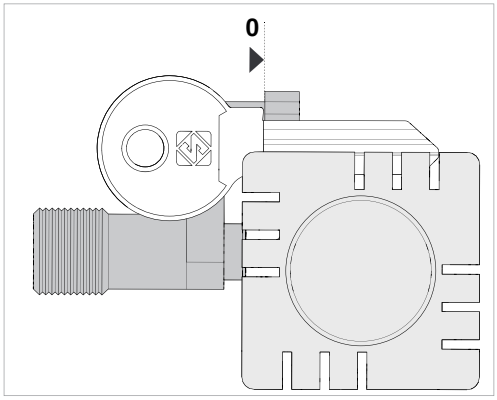

Fig. 33 - HEAD STOP (Stop 0)

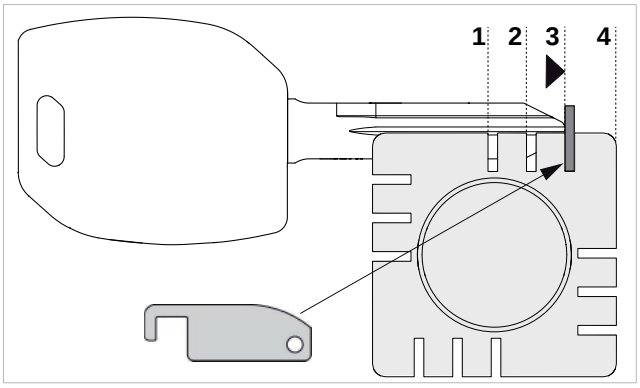

Fig. 34 - TIP STOP

- To fit keys with tip stops into the clamps, fit the bar provided into the grooves (Fig. 34) or up against the right-hand side of the clamp.

NOTE: the stop bar must be removed before decoding or cutting.

ATTENTION: it is not necessary to apply force to close the clamp properly.

5.1.3 Use of pins - CLAMP 01V

For keys with narrow stems the pins must be placed between the bottom of the clamp and the back of the key so that the key protrudes sufficiently out of the clamp and therefore can be properly read and cut.
If the key has a narrow stem and is also very thin, 2 pins must be used (Fig. 35).

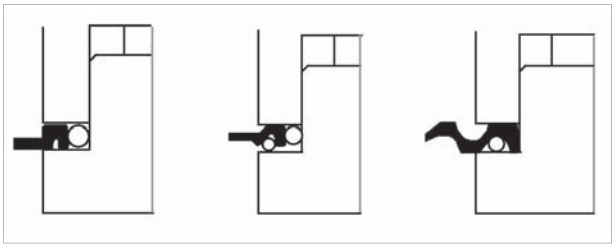

Fig. 35

If the original key is broken, place a suitable sized pin in the groove of the keys stem so that it is properly held in place and therefore can be copied (Fig. 36).

NOTE: use a pin with the same diameter for both decoding and cutting.

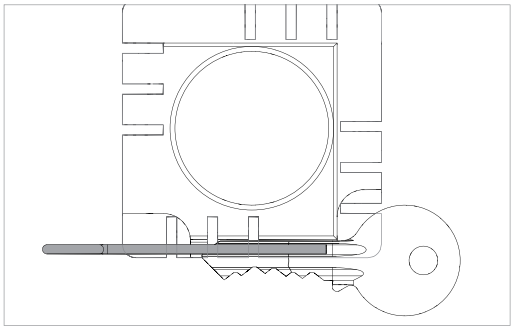

Fig. 36

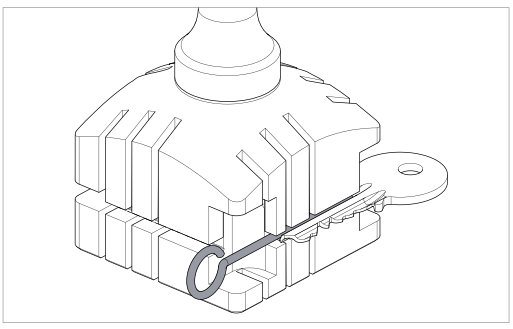

Fig. 37

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5.1.4 Cutting cruciform keys (with 3 fins)

The standard 4-sided clamp can be used to cut almost all cruciform keys (except for Y and T shaped ones).

1) Leave the gauge in its original position.
2) Fit the key into the clamp:
   - Insert the grooved bar into the notch on the clamp according to the key stop (as shown in Fig. 38 - Key stop towards the inner part of the clamp, Fig. 39 - Key stop DOWN and Fig. 40 - Key stop UP).
   - Butt the key stop up against the bar.
3) Tighten the knob (M1) to secure the key.
4) Remove the bar.

ATTENTION: the cuts on each fin are different.

POSITION OF KEY AND BAR

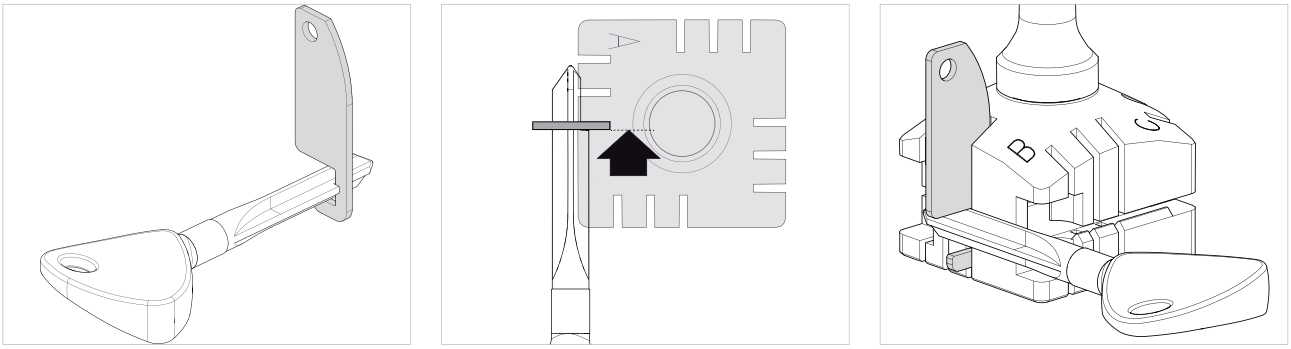

Fig. 38 - Key stop towards the INNER PART of the clamp

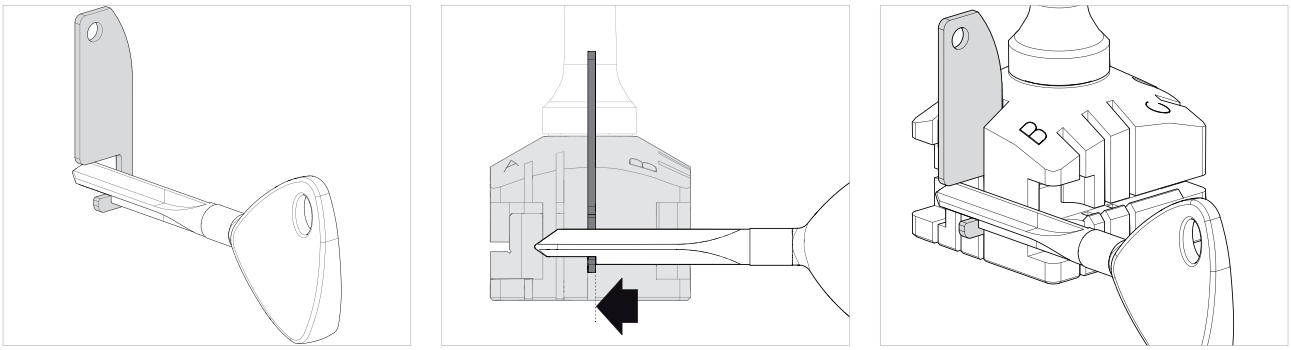

Fig. 39 - Key stop DOWN

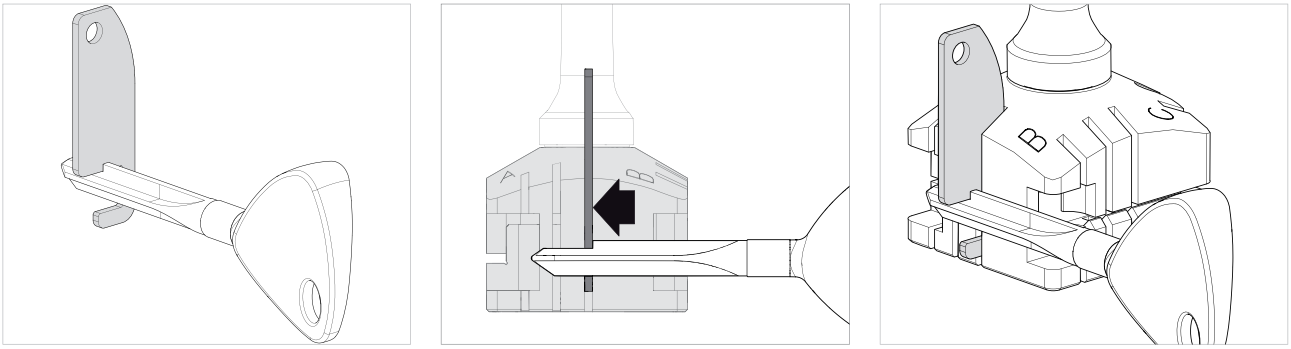

Fig. 40 - Key stop UP

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5.1.5 Removing/fitting the clamp 01V

1) Raise the safety shield.
2) Unscrew the knob (M1) and remove together with the washer set (Fig. 41).
3) Pull the clamp upwards (Fig. 42).
4) Carefully clean the seat of the clamp support.
5) Clean the clamp before fitting into the support.
6) Tighten the knob (M1) with the washer set.

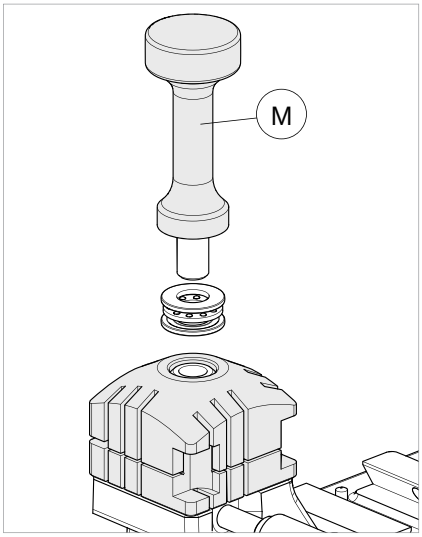

Fig. 41

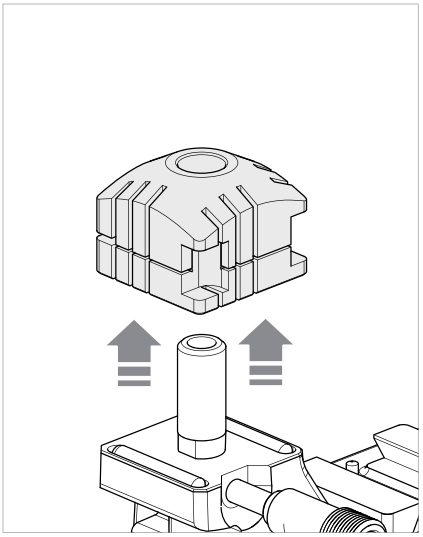

Fig. 42

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5.2 CLAMP FOR DIMPLE AND TRACK KEYS - 01R

According to the type of key to be decoded and/or cut, follow the instructions in the Silca tablet program regarding:

- **clamp**
- **use of jaws (Q1) and (Q2)**
- **clamp stop (Fig. 44 and Fig. 45)**

FITTING THE KEY

The clamp is designed to house high security keys with stop or tip reference.
The former (with stop) must be placed up against the jaws (stop “0”) (Fig. 44) and the others (tip stop) must be placed against one of the grooves (1-2-3-4), as indicated in the Silca tablet program. For this operation use the bar provided (Fig. 45).

NOTE: the stop bar must be removed before decoding or cutting.

1) Fit the key to be cut into its seat and ensure it is resting firmly on the clamp plate.
2) Tighten the knob (M) to secure the key.

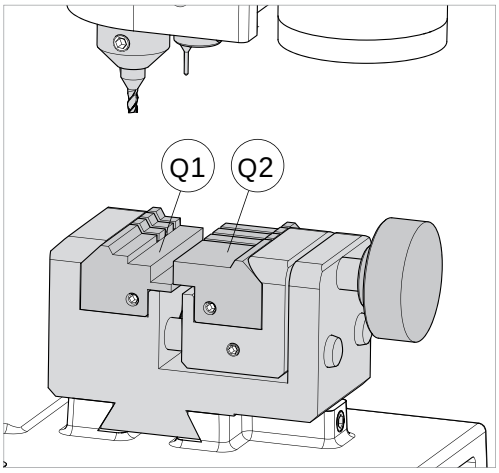

Fig. 43

5.2.1 DIMPLE keys

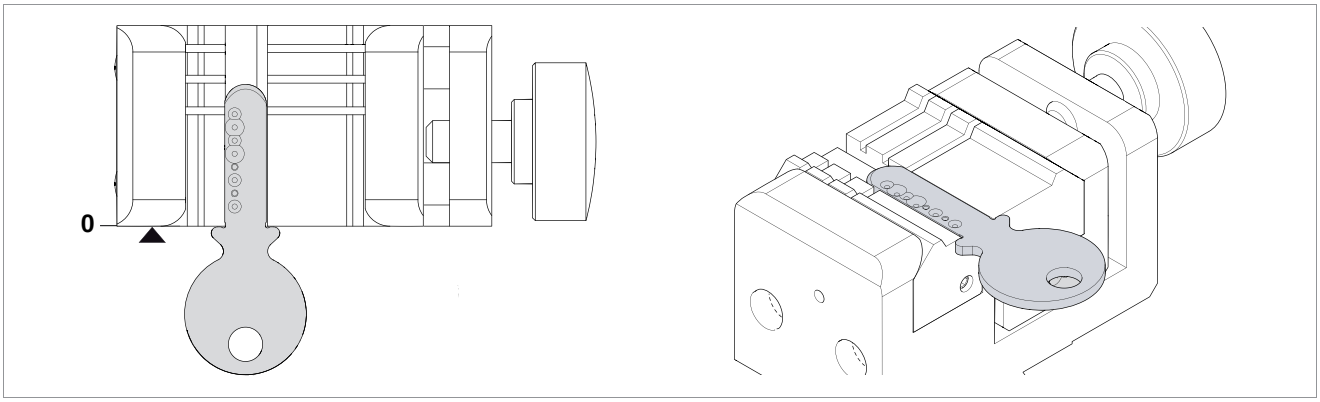

Fig. 44 - HEAD STOP

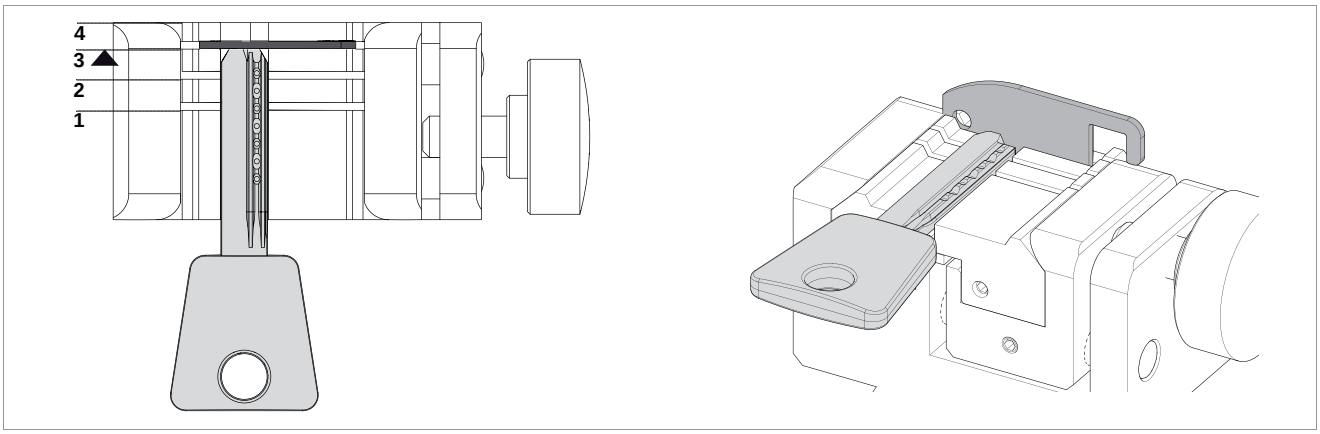

Fig. 45 - TIP STOP

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5.2.2 TRACK type keys

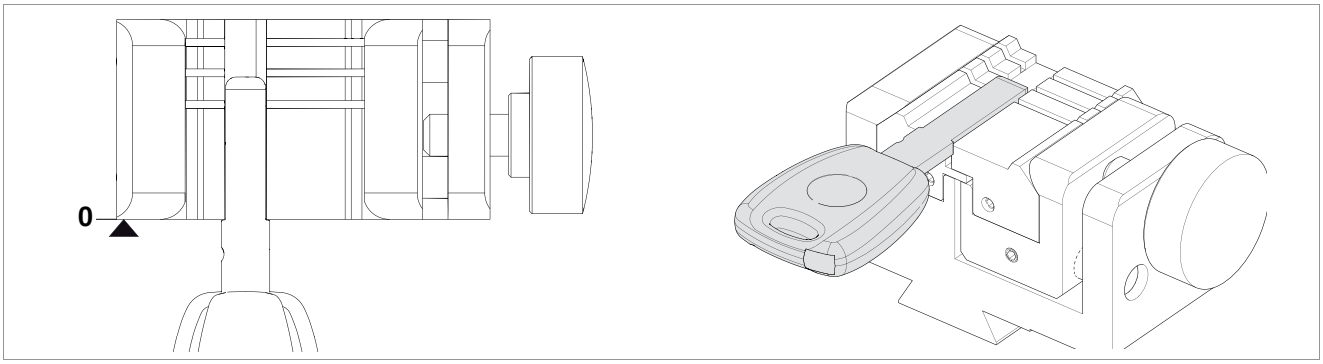

Fig. 46 - HEAD STOP

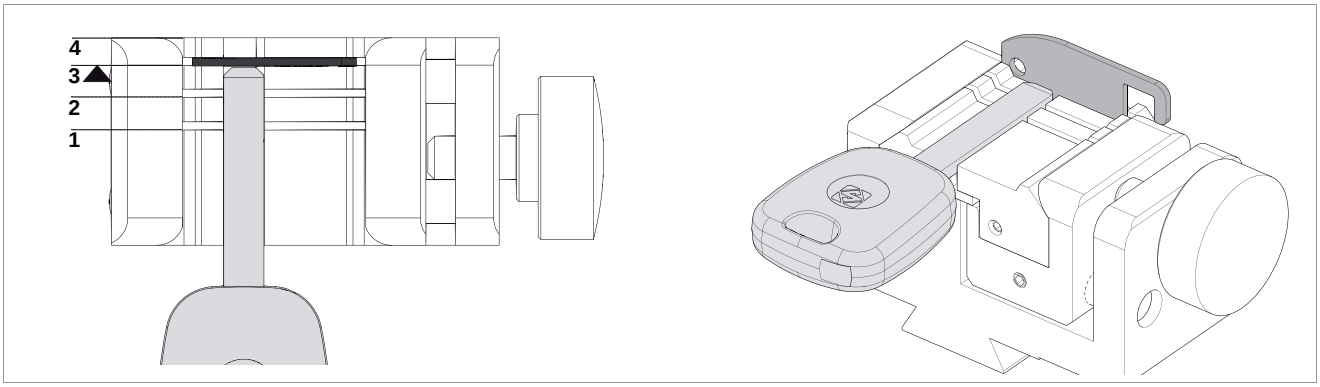

Fig. 47 - TIP STOP

5.3 REMOVING/FITTING CLAMP 01R

1) Raise the safety shield.
2) Loosen the grub screw (P2) and remove the clamp by pulling it towards the operator.
3) Carefully clean the clamp support seat.
4) Clean the clamp before fitting into the support.
5) Fit the clamp (with knob on the right) into the special dovetail and take up against the stop pin.
6) Tighten the grub screw (P2) to secure the clamp.

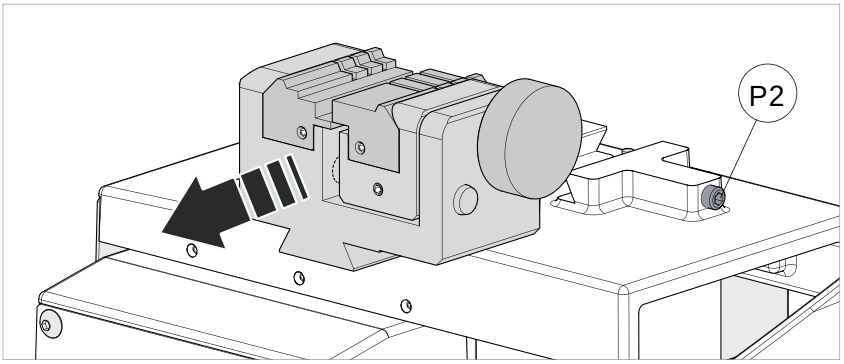

Fig. 48

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5.4 REMOVING/FITTING THE JAWS ON CLAMP 01R

1) Raise the safety shield.
2) Loosen the knob (P1) by a couple of turns (Fig. 49).
3) Use your fingers to push the jaw to be removed from behind the clamp, pulling out towards the operator (Fig. 50).
4) Carefully clean the seat of the jaw on the clamp.
5) Clean the jaw before fitting into the clamp.
6) Fit the jaw up against the stop pin.

NOTE: there is only one way to fit the jaw into the clamp.

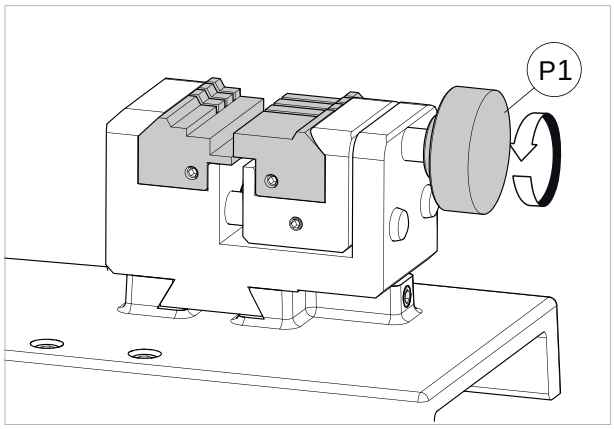

Fig. 49

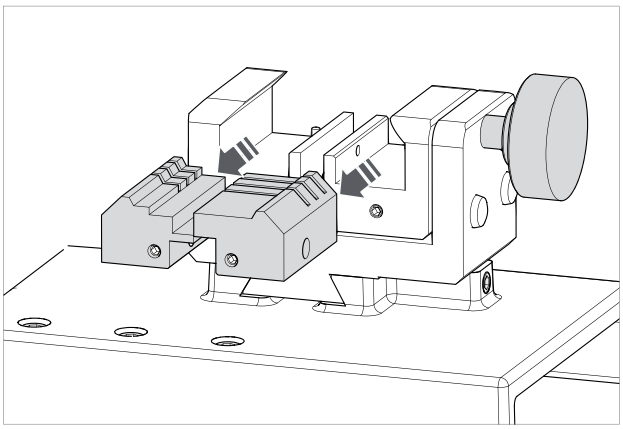

Fig. 50

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5.5 USING TRACER 01T

The tracer 01T is used to read/decode both dimple and track keys.
This tracer may or may not be required according to the type of key to be decoded and the dimensions involved.

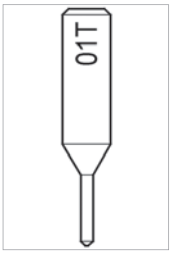

Fig. 51

- **ACTIVATING THE TRACER 01T**

To use the tracer: move the lever (J1) to the left in order to lower the tracer.

- **EXCLUDING THE TRACER 01T**

To take the tracer to the idle position: raise the lever (J1) and move it to the right.

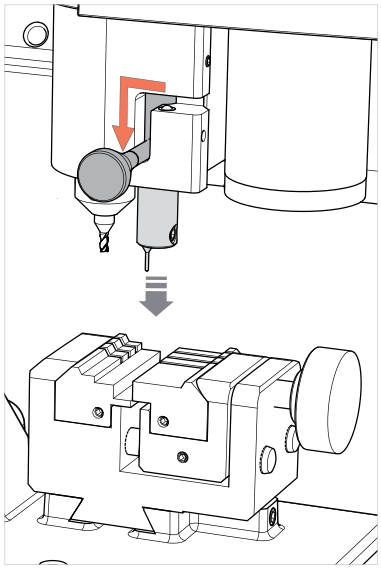

Fig. 52

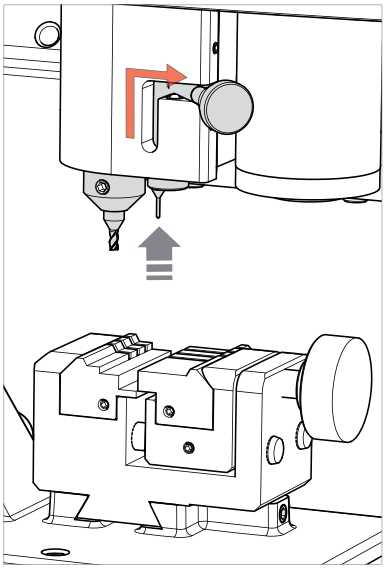

Fig. 53

You may be required to use the 02T tracer (provided), to be fitted into the cutter shaft (Fig. 55).
Note: fit the new tracer pushing all the way upwards.

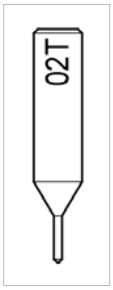

Fig. 54

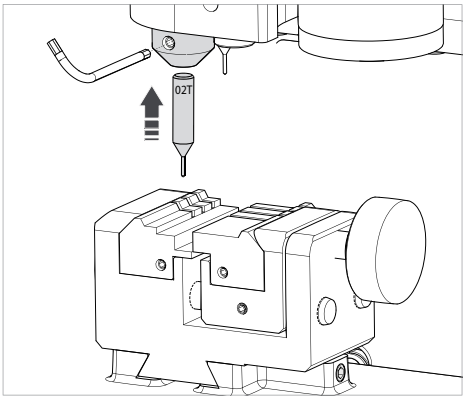

Fig. 55

NOTE: for cutting and/or decoding operations with the tracer point 02T, the tracer 01T must be in the idle position (Fig. 53).

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6 CLEANING

- **Keep the operational parts of the machine as clean as possible by brushing away the chippings in areas where they accumulate during cutting operations.**
- **Under no circumstances must compressed air be used to clear the work zone of chippings as this will blow them onto the moving parts.**
- **Never use oily products or thinners for cleaning painted surfaces, clamps, electrical or electronic connections.**

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7 MAINTENANCE

ATTENTION: for repairs or replacement of parts for maintenance, the 'CE' mark is guaranteed only if original spare parts provided by the manufacturer are used.

The FUTURA key-cutting machine does not need special maintenance, but it is good practice to check and if necessary replace parts subject to wear: cutter, tracer point, belt.
Replacement operations are simple and can be performed by the operator.

ATTENTION: DO NOT USE COMPRESSED AIR!

ATTENTION: to maintain machine efficiency we recommend using protective oil such as WD40 or similar to apply to the burnished mechanical parts. Make sure the oil does not come into contact with the electronic parts.

Before performing any type of maintenance (checks or replacements) read the warnings below:

- **Do not perform any maintenance operations with the machine on.**
- **Always disconnect the power lead.**
- **Follow the instructions in the manual carefully.**
- **Use original spare parts (see provided spare parts sheet).**

7.1 OPERATIONS

- **Access to rear compartment**
- **Prismatic cutter replacement**
- **Cylindrical cutter and/or tracer point replacement**
- **Tracer 01T replacement**
- **Checking and replacing fuse**
- **Battery replacement**

7.2 ACCESS TO REAR COMPARTMENT

1) Turn off the key-cutting machine and disconnect the power lead.
2) Remove the tablet.
3) Loosen the 2 screws (E1) and the 2 screws (E2).
4) Rotate the cover towards the front of the machine.

ATTENTION with the tablet USB cable.

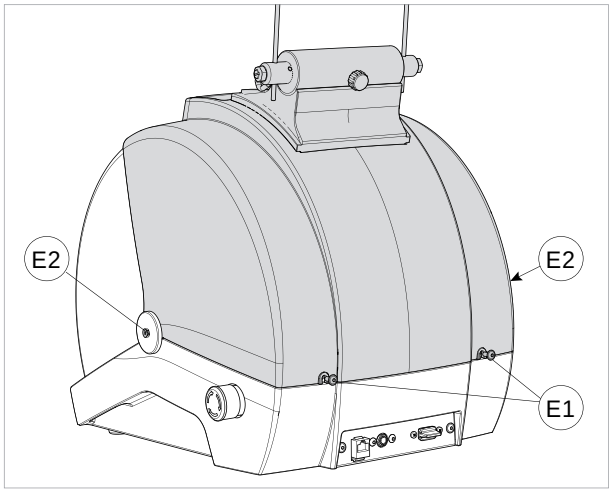

Fig. 56

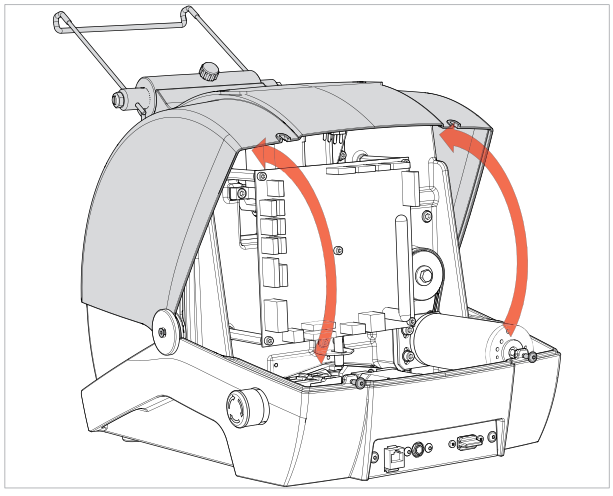

Fig. 57

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7.3 PRISMATIC CUTTER REPLACEMENT

1) Raise the safety shield.
2) Rotate the cutter by hand to align the cutter slot with the rear slot (on the reader stand).
3) Insert the pin (F1) (provided with the machine) into the 2 slots.
4) Loosen the nut (F2) clockwise.

   ATTENTION: the thread is to the left.

5) Remove the nut, pin and cutter.
6) Carefully clean the cutter shaft seat and the new cutter.
7) Fit the new cutter and align the cutter slot with the rear slot (on the reader stand).
8) Insert the pin (F1) (provided with the machine) into the 2 slots.
9) Tighten the nut (F2) anticlockwise. **Attention: the thread is to the left**.

   ATTENTION: when fitting a new cutter to replace a worn one, or when fitting a re-sharpened one, see ch.5.2 of the Software guide.

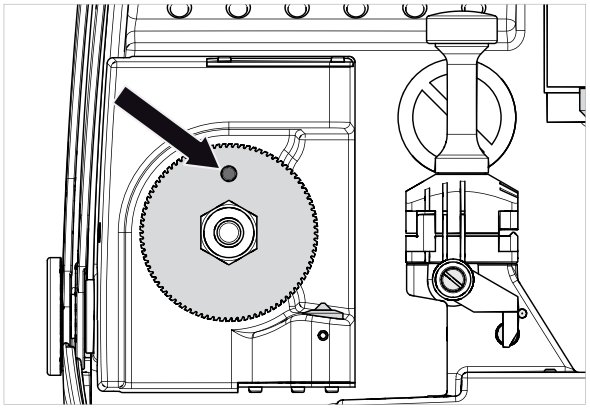

Fig. 58

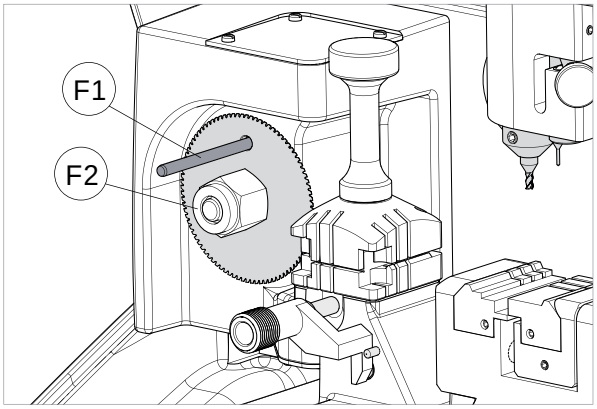

Fig. 59

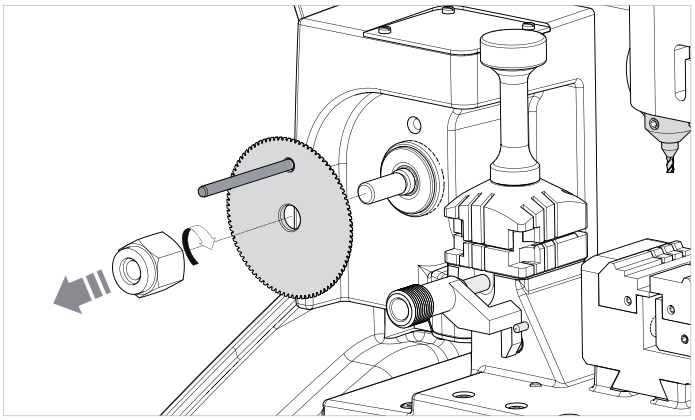

Fig. 60

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7.4 CYLINDRICAL CUTTER AND/OR TRACER POINT REPLACEMENT

1) Raise the safety shield.
2) Rotate the cutter shaft (G1) by hand and take the grub screw (G2) to the front of the machine.
3) Use a hex key to loosen the grub screw (G2) and remove the tool.
4) Fit the new tool, pushing all the way upwards.
5) Tighten the grub screw (G2) to secure the tool.

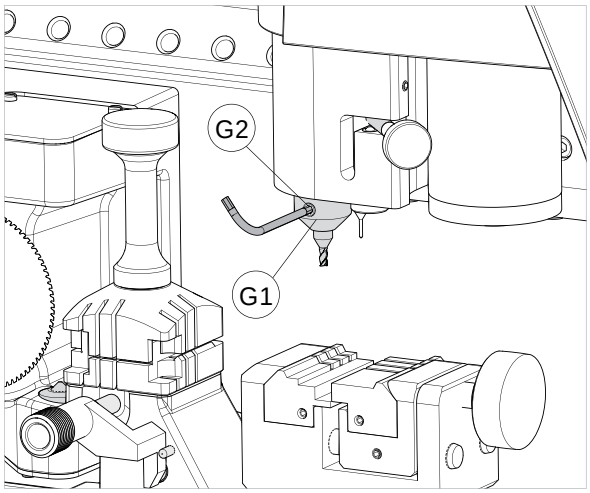

Fig. 61

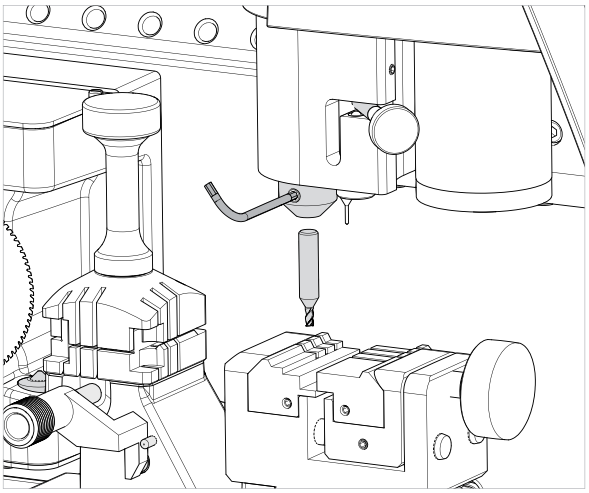

Fig. 62

7.5 TRACER 01T REPLACEMENT

1) Raise the safety shield.
2) Move the lever (J1) to the left to lower the tracer.
3) Use a hex key to loosen the grub screw (J2) and remove the tracer.
4) Fit the new tracer, pushing all the way upwards.
5) Tighten the grub screw (J2) to secure the tracer.

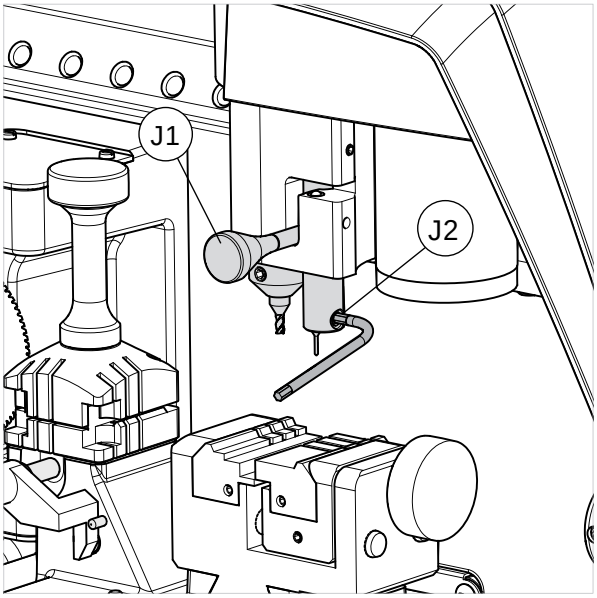

Fig. 63

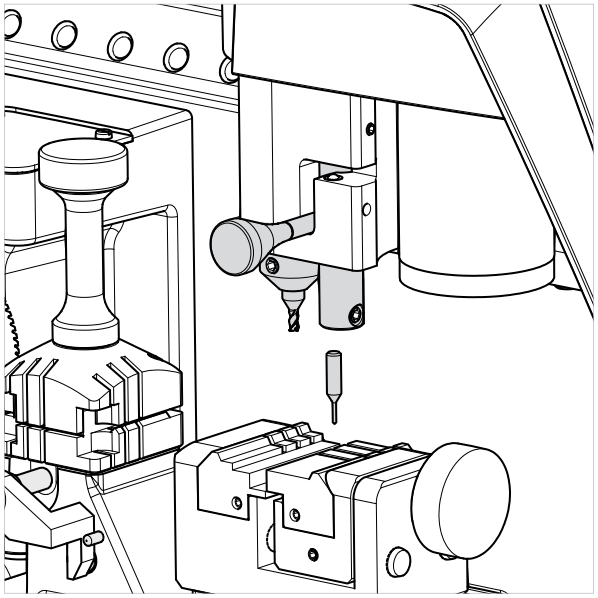

Fig. 64

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7.6 CHECKING AND REPLACING FUSE

Fuses should be checked with a tester (ohmmeter, multimeter, etc.) as they may appear to be in good condition even when they are electrically faulty. Fuses must always be replaced with the same amperage and type (rapid or delayed), as indicated in this manual.
FUTURA has 1 fuse:

4 Amps delayed
Protects the cutters motors and their electronic controls (230V a.c.)
To check and/or replace the fuse proceed as follows.

1) Turn the machine off and unplug it from its power supply cable.
2) Access the rear compartment (chap.7.2).

To remove the fuse:
press the fuse cap with your fingers and turn it counter clockwise.

To fit the new fuse:
carefully position the fuse back into place, then gently press the fuse cap downwards turning it clockwise.

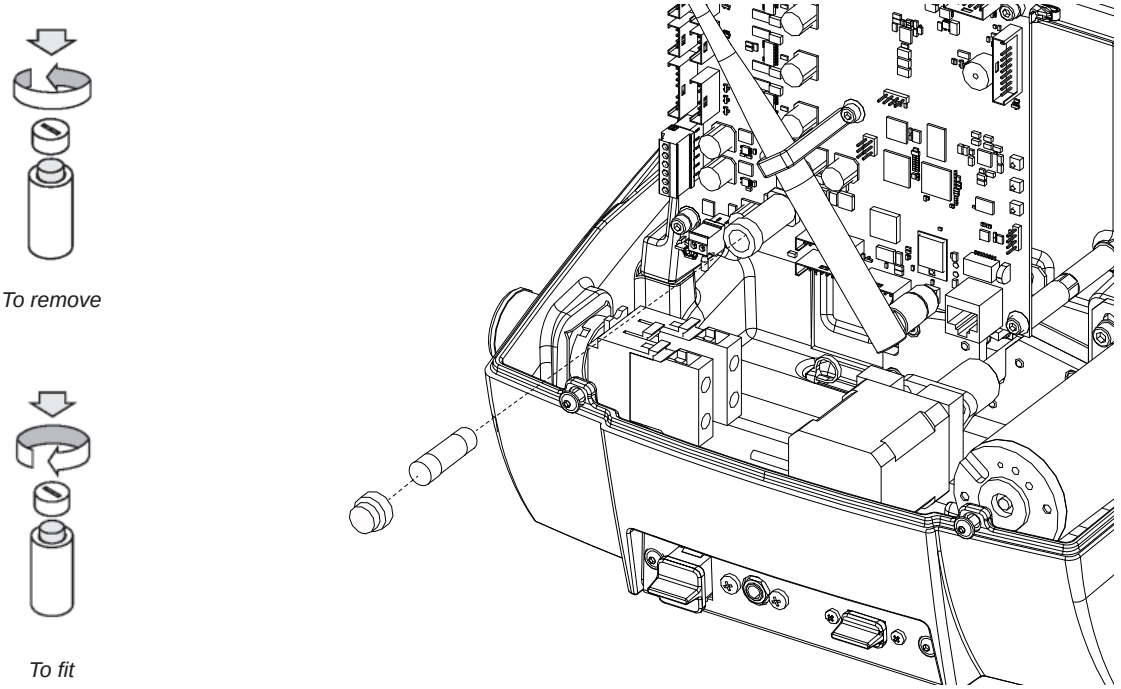

Fig. 65

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7.7 BATTERY REPLACEMENT

1) Turn the machine off and unplug it from its power supply cable.
2) Access the rear compartment (chap.7.2).
3) Use insulated screwdriver to remove the fl at battery.
4) Insert the new battery into its seat, paying attention to the poles.

ATTENTION: use the same type of lithium battery CR2032 3 Volt.

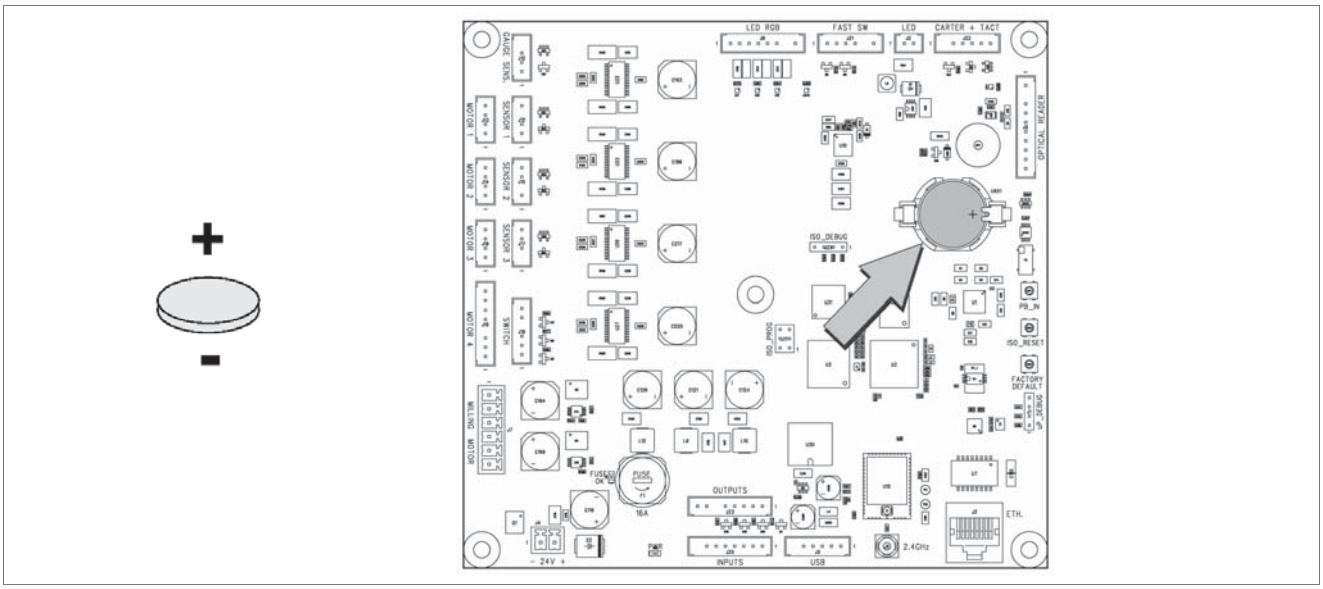

Fig. 66

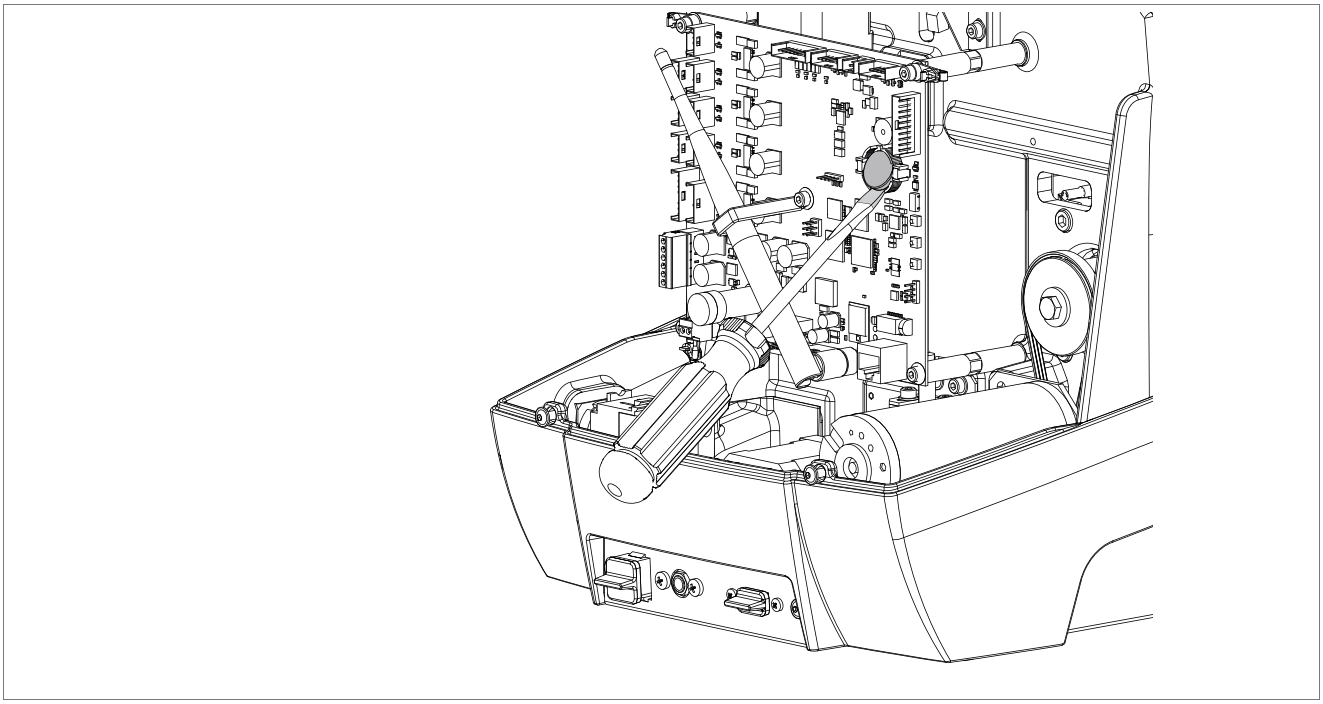

Fig. 67

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8 DECOMMISSIONING

To decommission the machine it must be made unusable by:

- **deactivating the power supply;**
- **separating the plastic parts from the metal parts.**
- **Remove the lithium battery from the electronic board.**

ATTENTION: the lithium battery must be disposed of in the special containers.

After doing the above, dispose of the waste in compliance with the current directives in the country where the machine is located.

Waste disposal
CEE regulations lay down special methods for disposing of waste (**).

Machine
FUTURA is not only a durable machine, but is also re-usable.

Recycling is a good environmentally friendly practice.

Packing
The FUTURA device is consigned in a cardboard packing box which can be re-used if undamaged. When it is to be thrown away it is classified as solid urban waste and should be placed in the special paper collecting bins. The protective shell containing the machine is in expanded polyethylene, classified as SUW, and can therefore be placed in an ordinary waste.

Waste from key-cutting
Residue deriving from key cutting is classified as special waste, but can be included in solid urban waste (SUW) as metal scourers. This waste must be disposed of in the special collection centres according to its classification by current laws in Italy and the European Union. If it is contaminated or contains harmful-noxious substances which transform the metal residue included in SUW into harmful-noxious substances, it is included in the lists of the appendices to current regulations in Italy and the European Union for waste disposal.

INFORMATION TO USERS

Under the terms of art. 10 of Directive 2002/96/CE dated 27/01/2003 regarding waste from electric and electronic equipment (WEEE),

- The symbol shown above is also attached to equipment and indicates that it has been placed on the market and must be separated and disposed of when no longer wanted (including all components, sub-assemblies and consumables that are an integral part of the product).
- Please contact SILCA S.p.A. or any other subject on the national registers of other countries in the European Union for information about waste disposal systems for the equipment. Household waste (or of similar origins) can be disposed of by the separate urban waste collection system.
- When purchasing new equipment of an equivalent kind the unwanted equipment can be given back to the dealer. The dealer will then contact the authority responsible for collecting it.
- Separate waste collection of unwanted equipment and its forwarding to treatment, recovery and environmentally friendly disposal makes it possible to avoid potential negative effects on the environment and human health, and assists recycling and recovery of materials.
- Unauthorized disposal of the product by the user is punished by the application of fines established by the countries which have received Directives 91/156/CE and 91/689/CE.

(**) wastes are substances or objects deriving from human activity or natural cycles which are discarded, or intended to be discarded.

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9 ASSISTANCE

Silca provides full assistance to purchasers of the key-cutting machine. To ensure complete safety for the operator, any job not specifi ed in this manual should be carried out by the manufacturer or in the special Service Centres recommended by Silca.
On the back cover of this manual is a list of the manufacturer's addresses; listed below are the addresses of specialised Service Centres.

9.1 HOW TO REQUEST SERVICE

The guarantee attached to the key-cutting machines ensures free repairs or replacements of faulty parts within 24 months of purchase. All other service calls must be arranged by the customer with Silca or with a Silca service centre.

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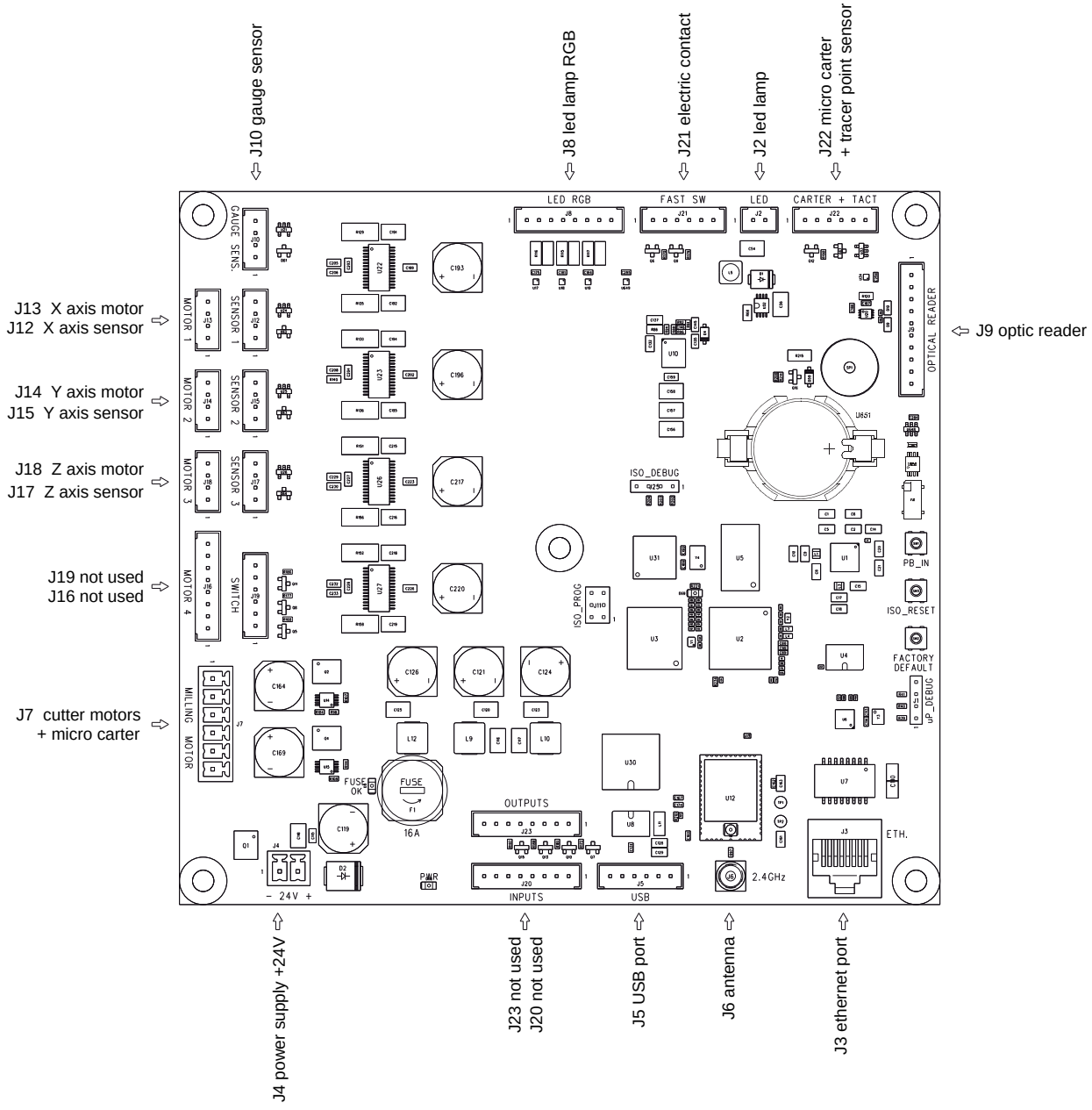
10 ELECTRICAL DIAGRAMS



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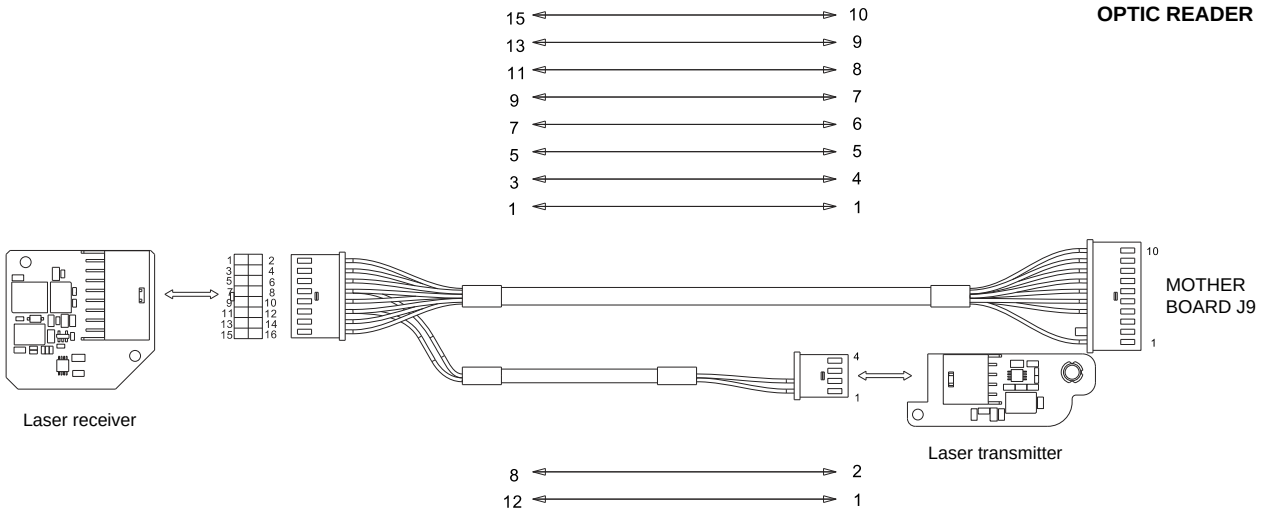
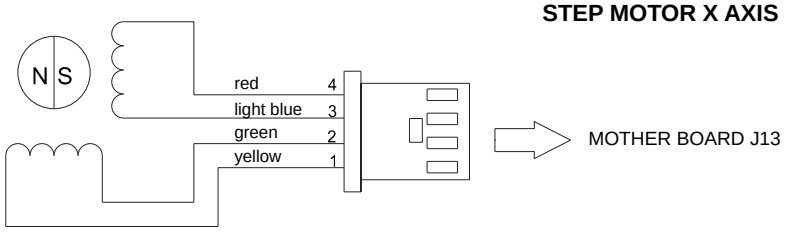
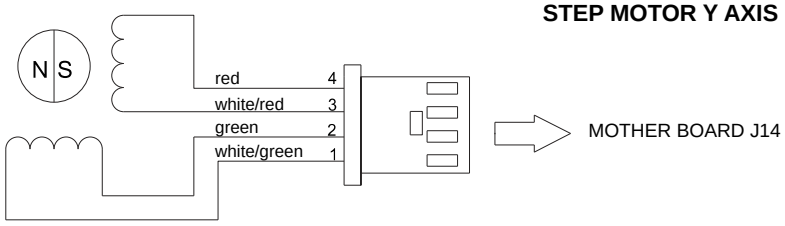
OPTIC READER



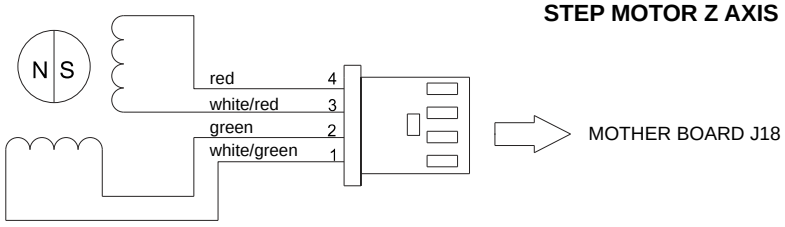
STEP MOTOR X AXIS



STEP MOTOR Y AXIS



STEP MOTOR Z AXIS



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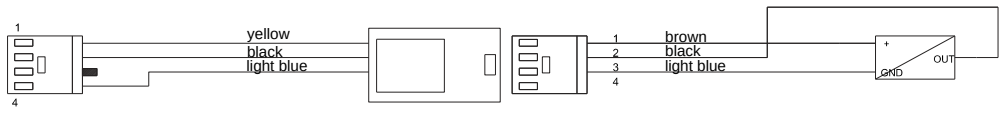
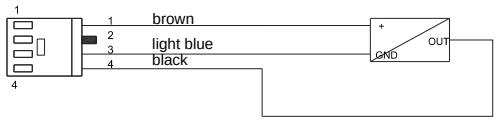
X AXIS SENSOR

MOTHER BOARD J12



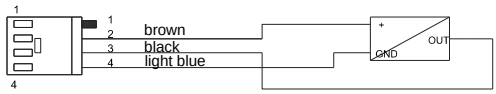
Y AXIS SENSOR

MOTHER BOARD J15



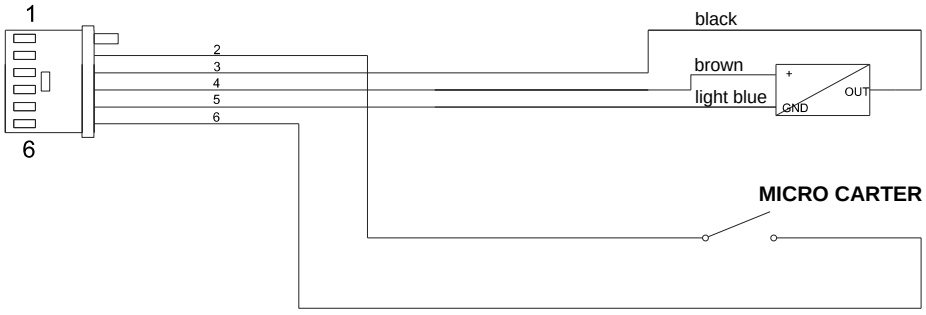
Z AXIS SENSOR

MOTHER BOARD J17



TRACER POINT SENSOR

MOTHER BOARD J22



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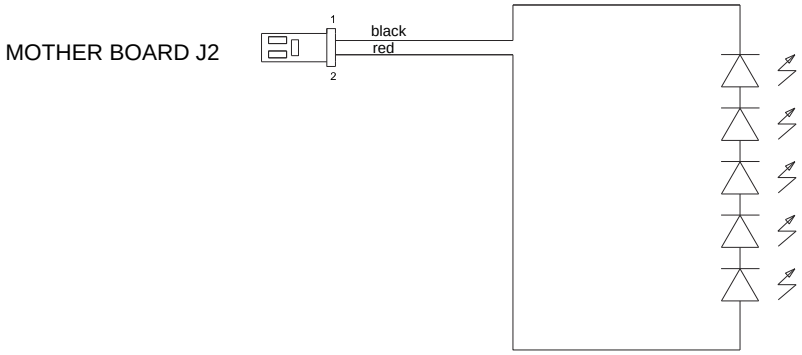
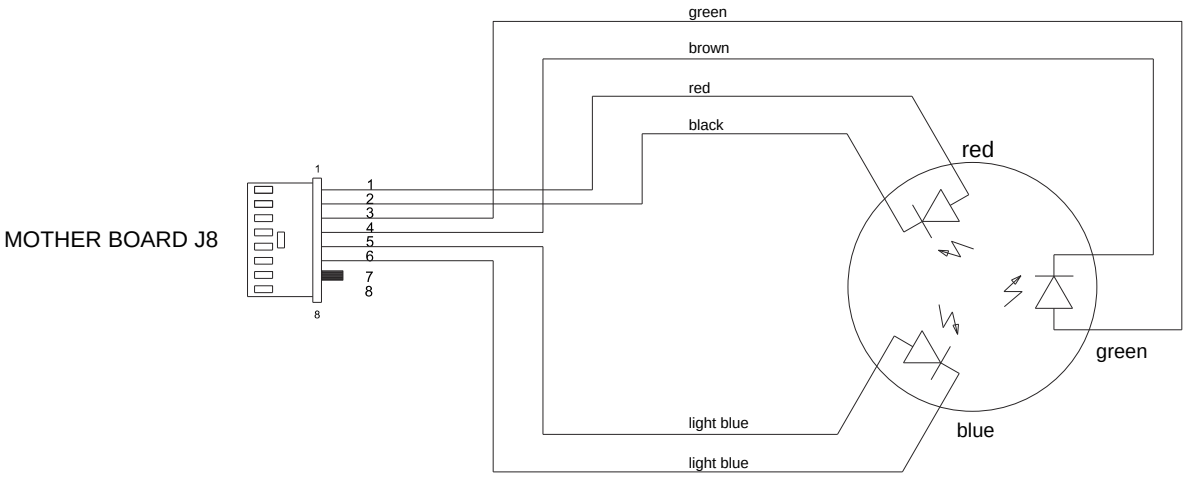
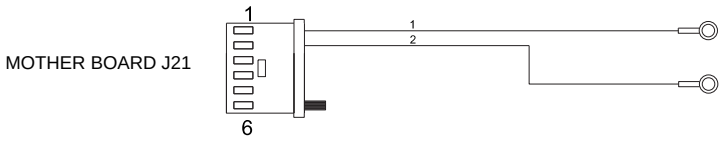
LED LAMP



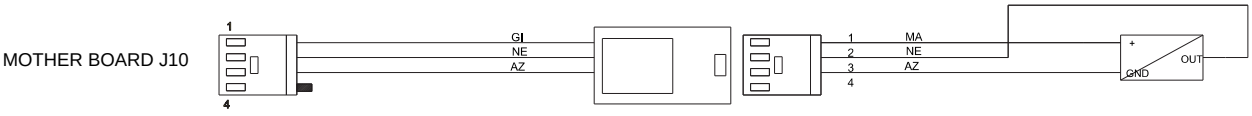
LED LAMP RGB



ELECTRIC CONTACT



GAUGE SENSOR



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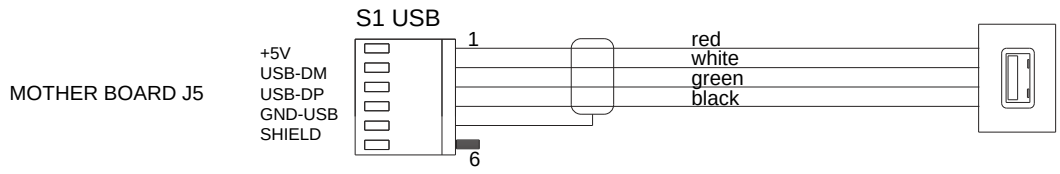
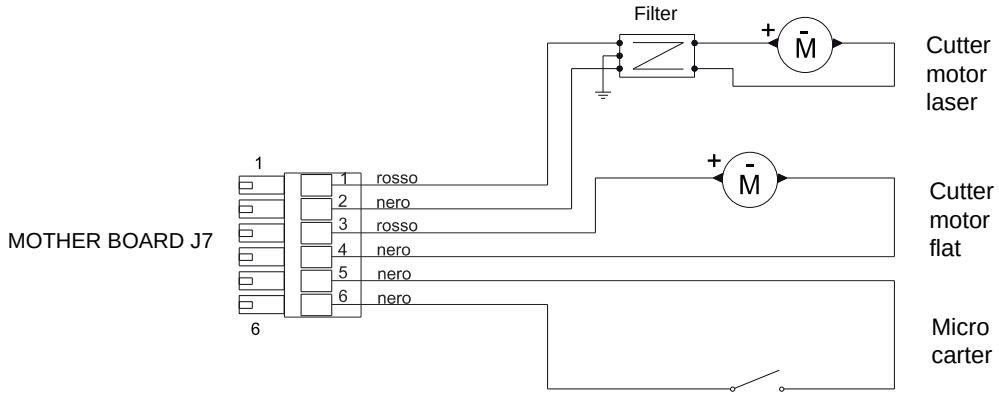
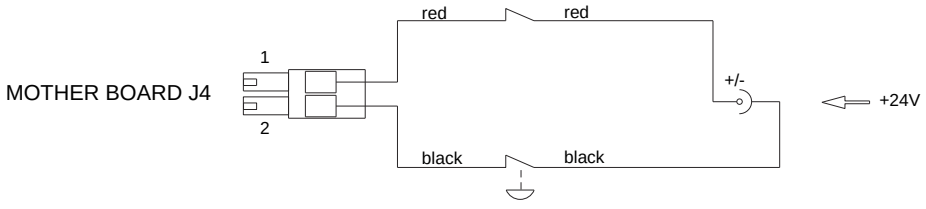
USB PORT



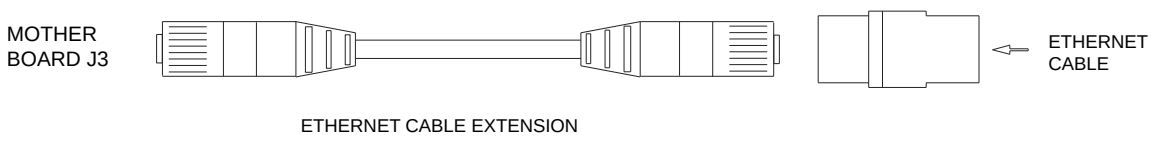
CUTTER MOTOR
+ MICRO CARTER



POWER SUPPLY
24V



ETHERNET PORT



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	EN	IT	DE	FR	ES	PT	NL
J2	Led lamp	lampada led	Led Lampe	Lampe Led	Lampara Led	Lâmpada Led	Led lamp
J3	Etherner port	Porta ethernet	Ethernet-Anschluss	Port Ethernet	Puerto ethernet	Porta ethernet	Ethernetpoort
J4	Power feeder +24V	Alimentatore +24V	Speisegerat +24V	Alimentateur +24V	Alimentador +24V	Alimentador +24V	Voedingseenheid +24V
J5	USB port	Porta USB	USB-Anschluss	Port USB	Puerto USB	Porta USB	USB-poort
J6	Antenna	Antenna	Antenne	Antenne	Antena	Antena	Antenne
J7	Cutter motor + micro carter	Motore fresa + micro carter	Motor-Fräser + Mikro-Carter	Moteur fraise + micro carter	Motor fresa + micro carter	Motor fresa + micro carter	Freesmotor + cover micro
J8	Led lamp RGB	Lampada Led RGB	Led Lampe RGB	Lampe Led RGB	Lámpara Led RGB	Lâmpada Led RGB	Led lamp RGB
J9	Optic reader	Lettore ottico	Opticher Leser	Lecteur optique	Lector optico	Leitor optico	Optische lezer
J10	Gauge sensor	Sensore calibro	Lehre-Fühler	Senseur calibre	Detector calibre	Sensor calibre	Gauge sensor
J12	X axis sensor	Sensore asse X	Fuhler X-Achse	Senseur axe X	Detector eje X	Sensor eixo X	X-as sensor
J13	X axis motor	Motore asse X	Motor X-Achse	Moteur axe X	Motor eje X	Motor eixo X	X-as motor
J14	Y axis motor	Motore asse Y	Motor Y-Achse	Moteur axe Y	Motor eje Y	Motor eixo Y	Y-as motor
J15	Y axis sensor	Sensore asse Y	Fuhler Y-Achse	Senseur axe Y	Detector eje Y	Sensor eixo Y	Y-as sensor
J16	not used	non usato	nicht verwendet	non utilisé	no utilizado	não utilizado	niet gebruikt
J17	Z axis sensor	Sensore asse Z	Fuhler Z-Achse	Senseur axe Z	Detector eje Z	Sensor eixo Z	Z-as sensor
J18	Z axis motor	Motore asse Z	Motor Z-Achse	Moteur axe Z	Motor eje Z	Motor eixo Z	Z-as motor
J19	not used	non usato	nicht verwendet	non utilisé	no utilizado	não utilizado	niet gebruikt
J20	not used	non usato	nicht verwendet	non utilisé	no utilizado	não utilizado	niet gebruikt
J21	Electric contact	Contatto elettrico	Elektrische Kontakt	Contact électrique	Contacto eléctrico	Contato elétrico	Elektrisch contact
J22	Micro carter + tracer point sensor	Micro carter + sensore tastatore	Mikro Carter + Taster Fühler	Micro carter + senseur palpador	Micro carter + sensor palpador	Micro carter + sensor palpador	Cover micro + sensor tracer punt
J23	not used	non usato	nicht verwendet	non utilisé	no utilizado	não utilizado	niet gebruikt

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SOFTWARE
OPERATING GUIDE

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INDEX

a) SOFTWARE PROGRAM 3
b) CHOICE OF KEYBOARD 4
c) CHANGE PROGRAM LANGUAGE 4
d) MEASURING UNITS 4
1 - SEARCHES 5
1.1 - STANDARD keys 5
1.2 - VEHICLE keys 5
1.3 - DIMPLE / TRACK keys 5
1.4 - Full key searching 5
e) SEARCH PARAMETERS 6
f) KEY CUTTING 12
2 - COPY BY ORIGINAL 13
3 - FAVOURITES 15
5 - OPTIONS 16
5.1 - Info 16
5.2 - Calibration 17
5.2.1 - STANDARD key clamp calibration 17
5.2.2 - DIMPLE/TRACK keys clamp calibration 19
5.2.3 - MOBILE TRACER 01T calibration 20
5.2.4 - STANDARD key Adapter calibration 20
5.2.5 - DIMPLE/TRACK keys Adapters calibration 21
5.3 - SETTINGS 22
5.3.1 - Zero-point Calibration (STANDARD key) 22
5.3.2 - Zero-point Calibration (DIMPLE/TRACK key) 23
5.3.3 - Options 25
5.3.3-a - General 25
5.3.3-b - Preferences Standard key 27
5.3.3-c - Preferences DIMPLE/TRACK key 28
5.3.4 - Network setting 29
5.4 - MACHINE MAINTENANCE 35
6 - UPDATES 38
7 - BACKUP / RECOVERY 39
g) CHANGING TABLETS 40

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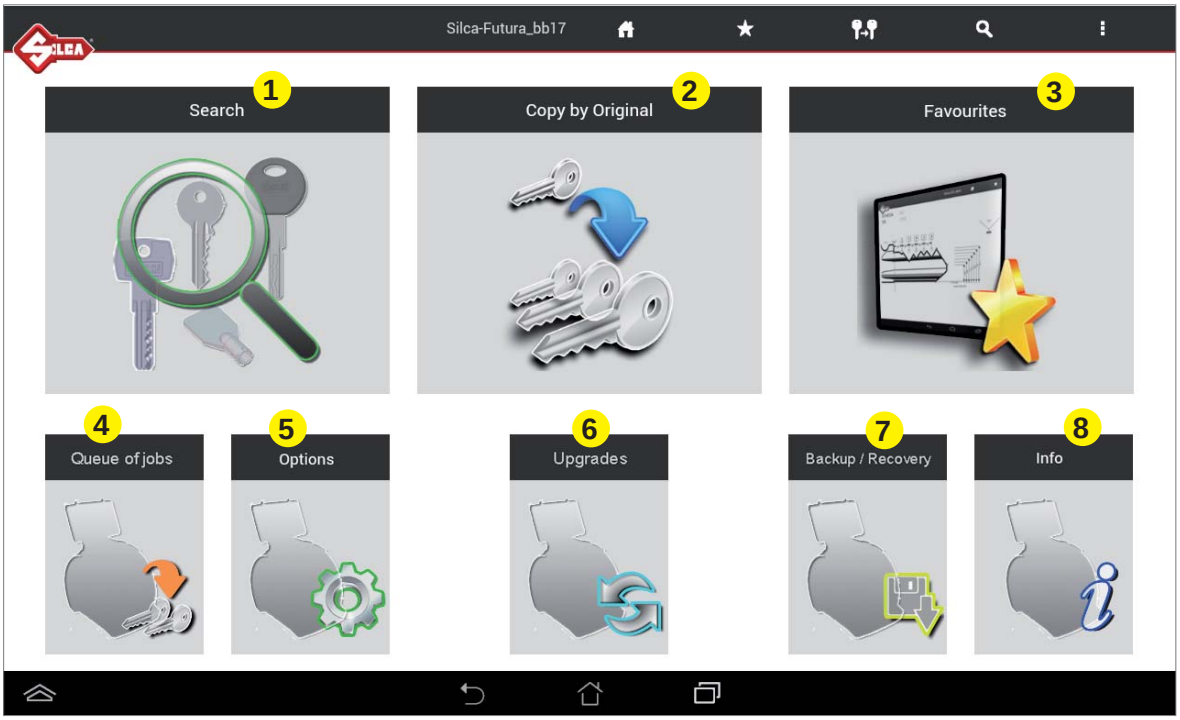
a) SOFTWARE PROGRAM

To start the “SKP MOBILE” program hit the icon

on the tablet screen.

If the program does not start check the network settings (see Ch.5.3.4).



1- Search
Menu used to select a category of Series Searches.

2 - Copy by Original
Menu used to make a copy of a key by means of a laser reader.

3 - Favourites
Menu used to access a series of searches previously set up as favourites.

4 - Queue of jobs
Menu used to run the job queue previously created from the search menu.

5 - Options
Menu used to set up the machine.

6 - Upgrades
Menu used to update machine software.

7 - Backup | Recovery
Menu used to save machine data and restore them when necessary.

8 - Info
Menu showing machine details.

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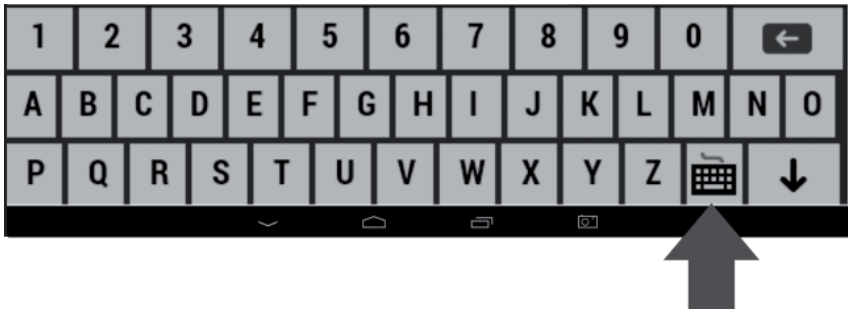
b) CHOICE OF KEYBOARD

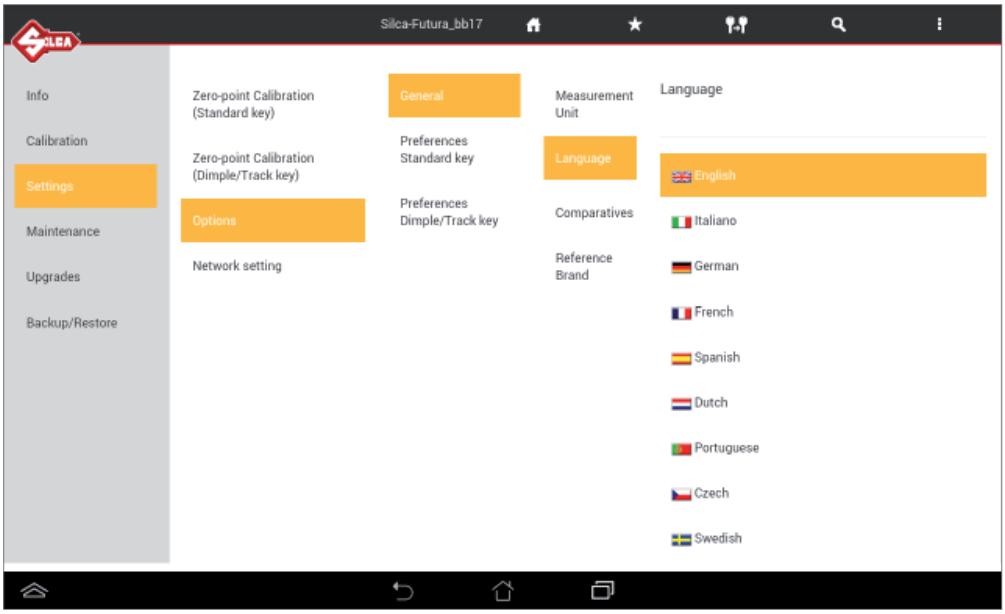
When the FUTURA program is started you are required to choose the type of keyboard you will use for entering data.
SILCA Keyboard: smaller keyboard specially designed for the Futura program.
Android (AOSP) keyboard: standard Android tablet keyboard.

If you have chosen the Silca keyboard you can go back to Android by hitting the key on the Silca keyboard.



c) CHANGE PROGRAM LANGUAGE

The default program language is English. To change language go to the **Options** menu (Ch.5), select **Settings -> Options -> General -> Language** and choose the language you require.



d) MEASURING UNITS

All the values given in the program for the technical measurements of keys and clamps are expressed in hundredths of a millimetre or thousandths of an inch, according to the measuring unit chosen from the “Options” menu.

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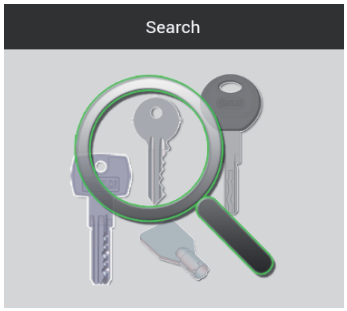
1 - SEARCHES



When the Searches menu is opened, the following window appears:

1.1 - STANDARD keys

Menu used to make a search restricted to the category flat keys only (e.g.: CS207 - YA31 - UL050 ...).

1.2 - VEHICLE keys

This menu is used to restrict a search to the category of vehicle keys only (e.g.: HU66P - GT15R - YM28T2 ...)

1.3 - DIMPLE / TRACK keys

This menu is used to restrict a search to the dimple/track category of keys (e.g. CS48 - IE15 - AB48 ...).

1.4 - Full key searching

This menu is used to make extended searches not restricted to categories.

The SEARCH menu for VEHICLE keys differs from the others in that it has 4 extra search parameters:

Vehicle make: enter the name of the vehicle manufacturer.

Model: enter the name of the vehicle model.

Year from: enter the year the model first came out.

Year to: enter the year production of the model ceased, or leave the field empty.

See example of STANDARD keys search flow.

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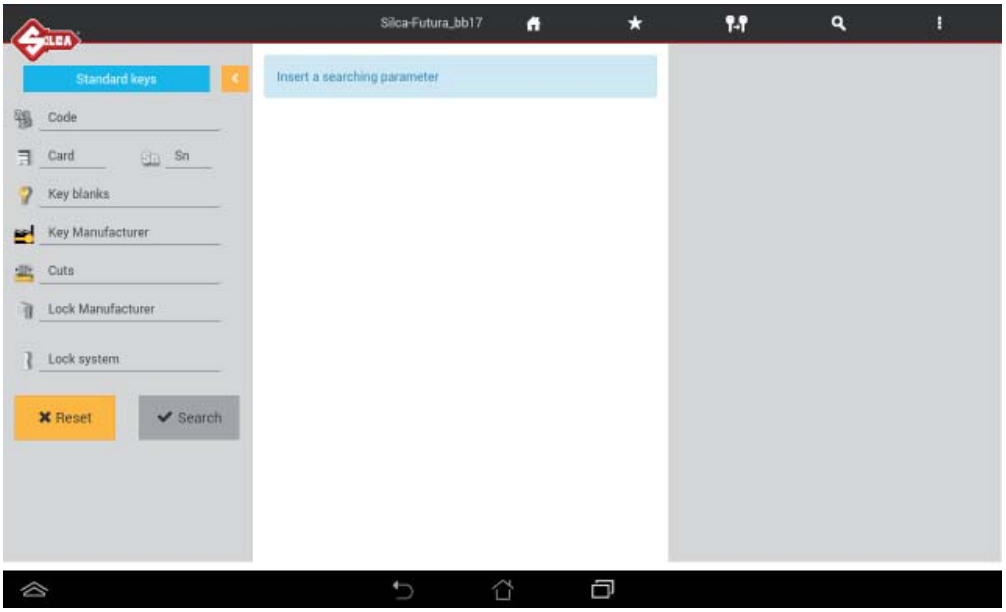
When you enter the STANDARD keys category the following window appears for you to enter the search parameters.



e) SEARCH PARAMETERS

Code: enter the indirect key-cutting code.

Card / Sn: enter the card number or serial number assigned by Silca.

Key blanks: enter the Silca key blank code or comparative.

Key manufacturer: enter name of key manufacturer.

Cuts: enter number of cuts for the key to be included in the search.

Lock Manufacturer: enter the brand of lock to be included in the search.

Lock system: enter the name of the lock system.

Press "**Reset"** to delete the entered fields.
After entering one or more parameters, tap the "**Search**" button to start the search. This operation will show the data relating to the lock systems found and information about the Silca key blank, if applicable.
Hit › on the left-hand side of the page to re-open the Search Parameters window.

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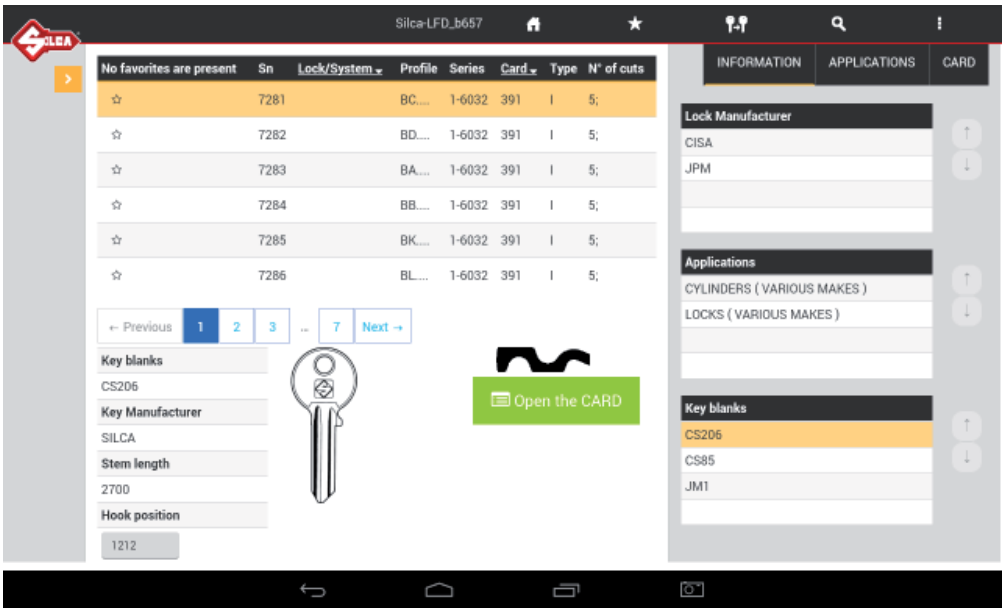
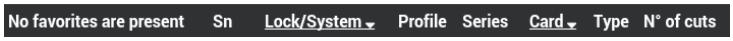


There are “3 folders” on the right of the screen:

INFORMATION: shows information about the lock make, applications and Silca key blank. Info about a Silca key can be viewed by tapping the field relating to the key blank.

APPLICATIONS: shows the applications for which this key blank is used: locks, cylinders, vehicle model,etc.

CARD: shows information relating to accessories needed for cutting keys with the FUTURA key-cutting machine.

In the section of the window showing the search results 

- order searches by tapping the arrow next to the relative fields.
- select a series from those shown, or search for it on the next pages:

- hit the special field to enter the Hook position: it is automatically saved when the keyboard is turned off.

To access the cutting card select the relevant line and tap the “**OPEN CUTTING CARD”** button.

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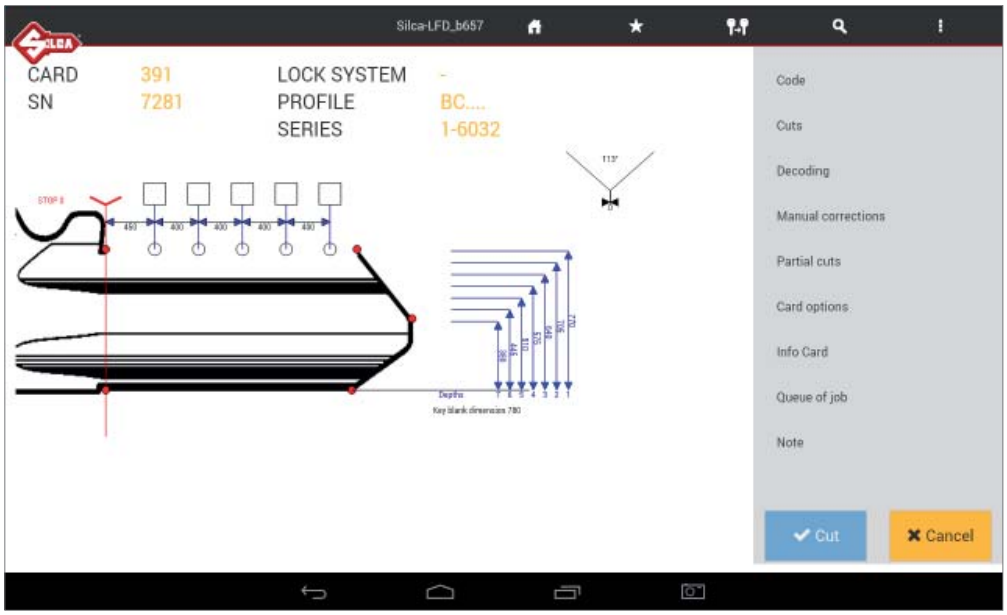
Example 1: Data card for STANDARD keys

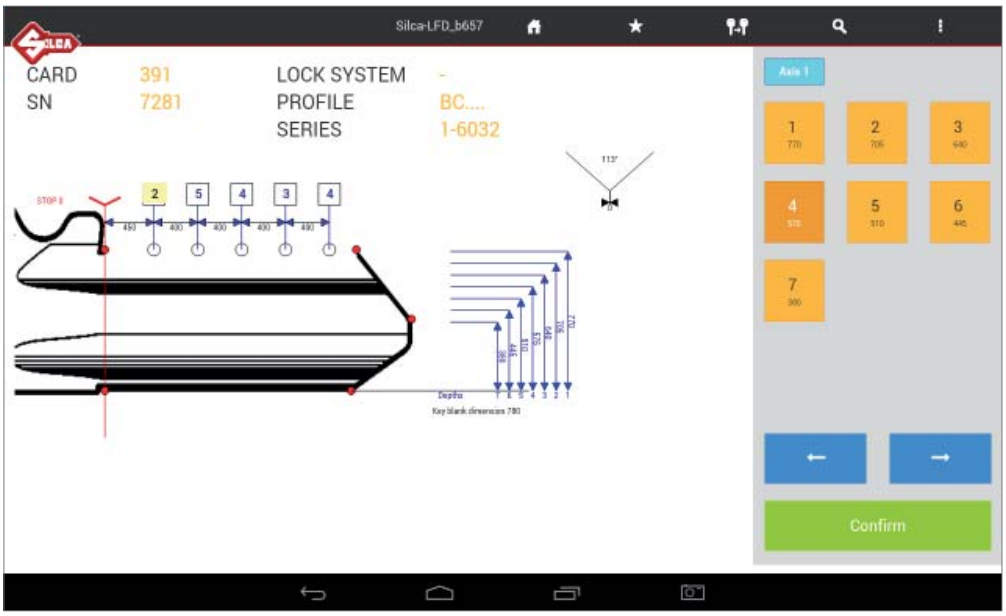


The left-hand section of the screen shows all the technical details relating to the selected cutting card (e.g. **Card, SN, Profile, Series, Spaces, Depth, Cutting angle**).

The right-hand part contains the functions listed below:

Code: enter the indirect code for cutting the key.

Cuts: this function is used to enter direct cuts.



*

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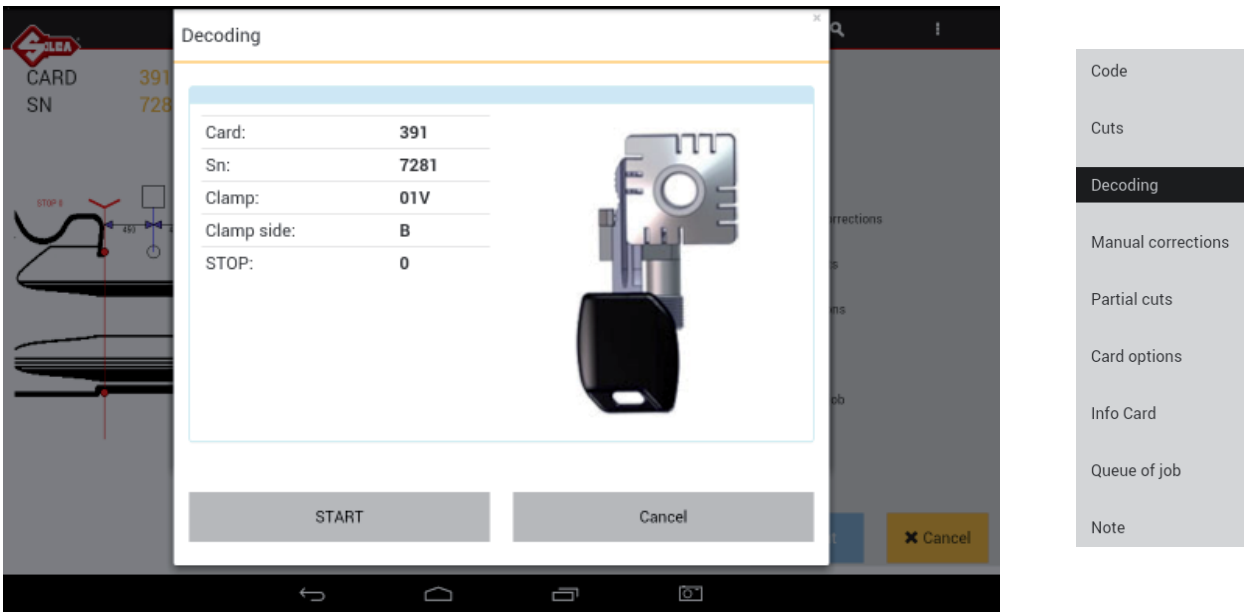
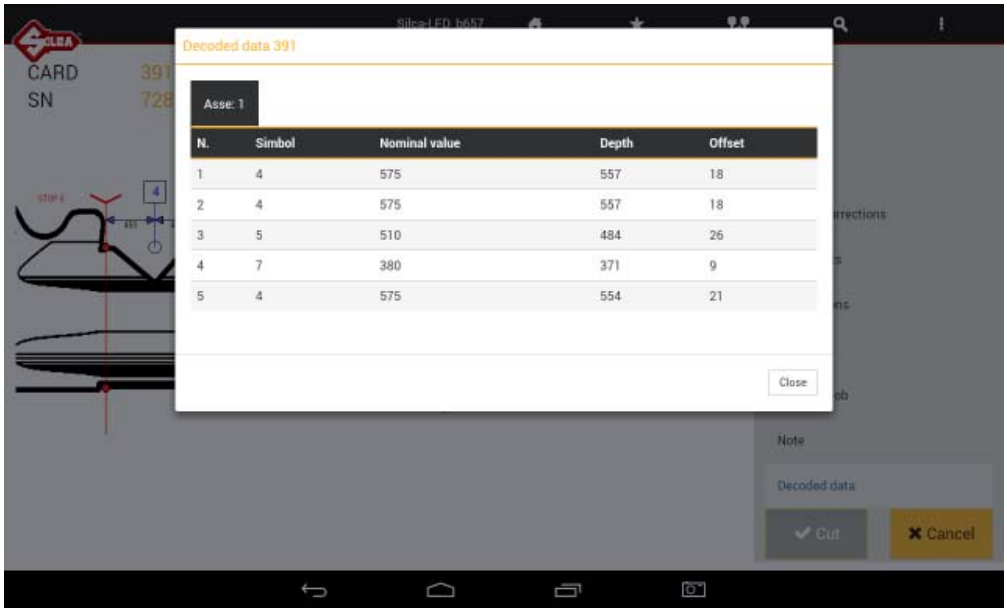
Decoding: used to decode the cuts on the original key.

Hit “Decoding”: information appears regarding the position of the key in the clamp.
To continue hit START and perform the operations described on the screen.
At the end of the operation hit OK.



To view the decoded measurements and the measurements read on the key, hit “Decoded Values” on the bottom of the screen.



Then hit “CUT” to cut the key using the combination provided by the previous operation.

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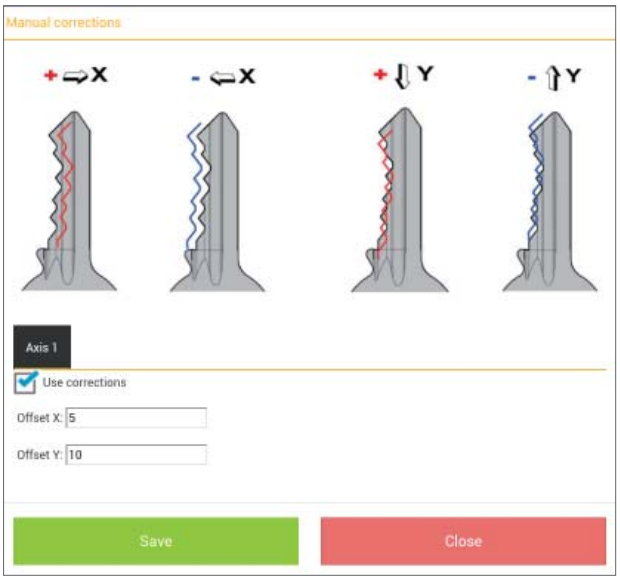
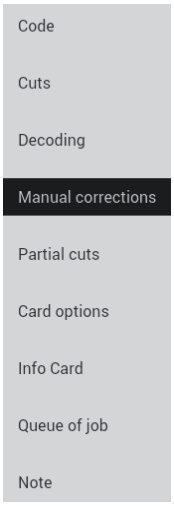
Manual corrections: to enter manual adjustments in the relative fields for X axis and Y axis, activate the “Use corrections” flag”, hit “Save” and then “Close”.

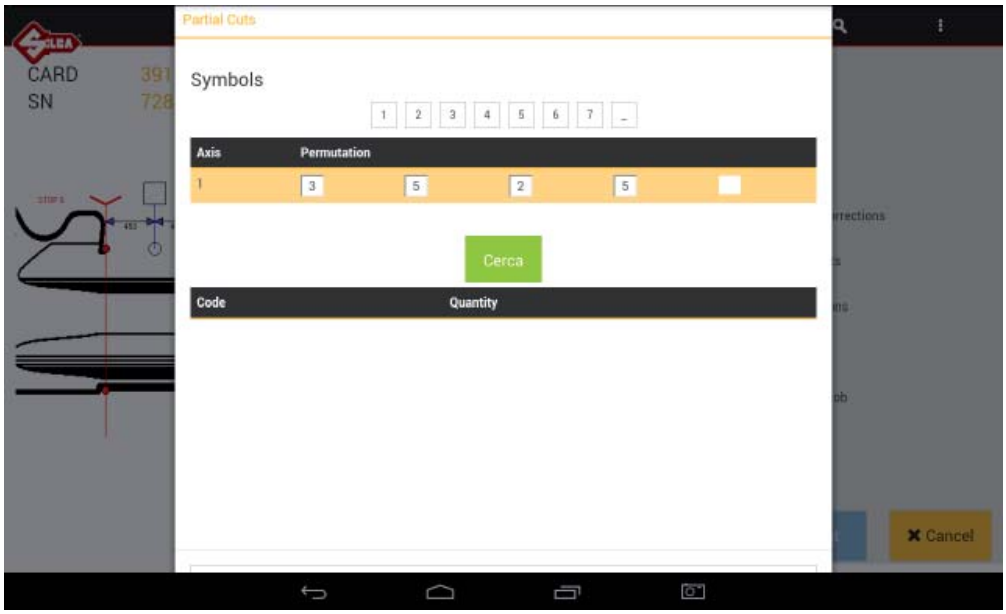
Adjustments: from -30 to +30 hundredths of mm

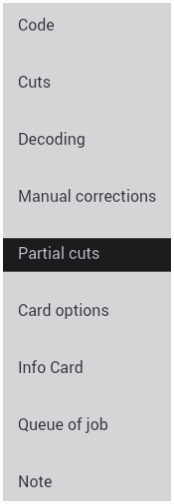
Close the window after it has shown an OK message.
An icon Manual corrections ⚠ indicates when the manual adjustment is active.





Partial Cuts: used to make a search for correspondence with the code table (if applicable): enter the known cuts and hit “Search”.





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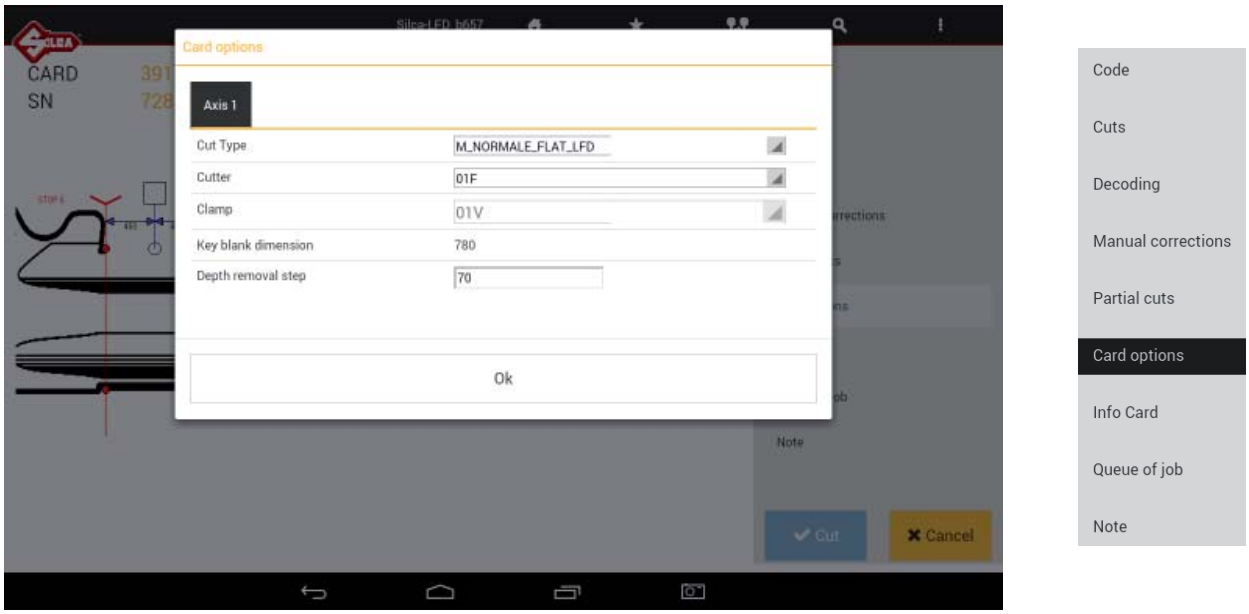
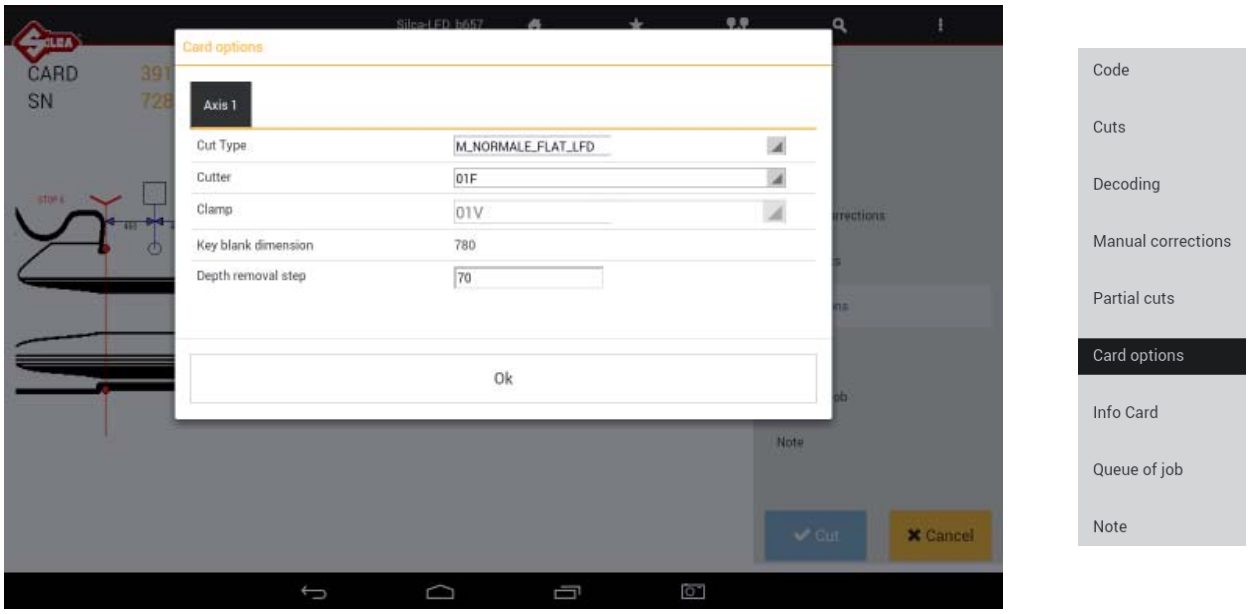
CARD OPTIONS, useful for editing certain parameters, such as:

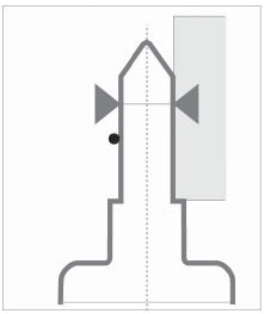
- **Cut type:** alternative cutting methods can be chosen from Flat, Track Normal;
- **Key blank dimension:** used with the “Detect Key blank measurement” function;
- **Depth removal step:** this value indicates the amount of material trimmed by the cutter at each passage.



With keys that have symmetric cuts the following window would appear:



Detect Key blank measurement: this function is used to read the measurement of the key blank (stem width) in order to adapt cutting to the key blank in use. If this function is enabled it is automatically applied only to keys with two sides.



Note: function available only in the procedure “Standard keys cutting” (symmetric).

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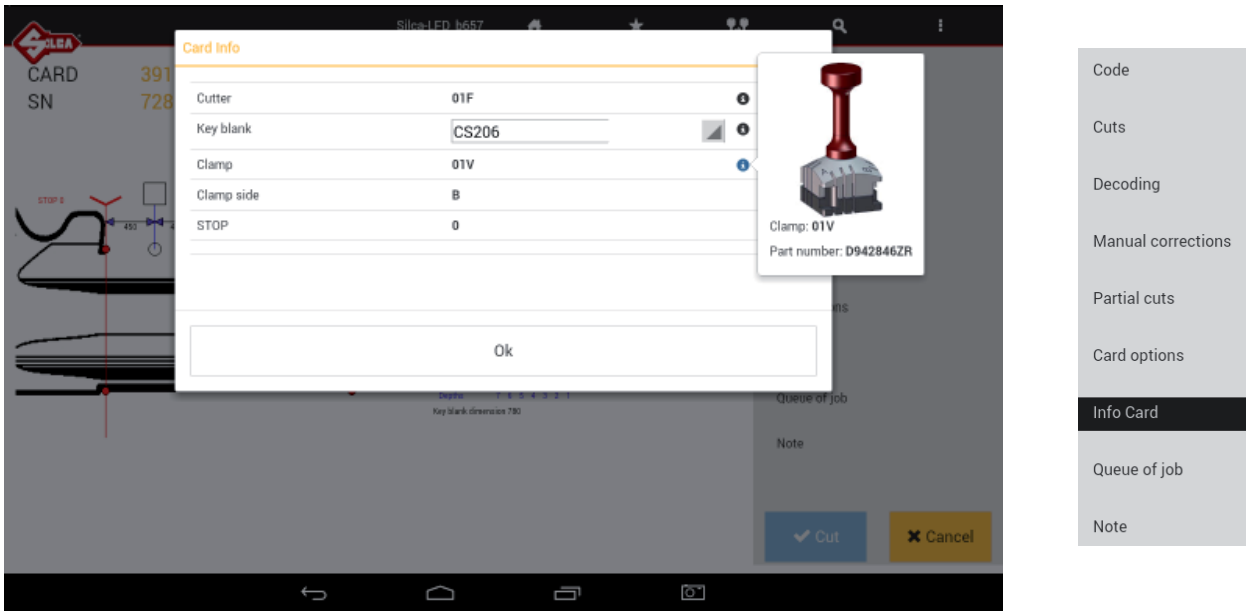
Info Card: views information about the clamp, side and stop to be used, cutter and key blank.

Hit the relevant icons to see images and part code.



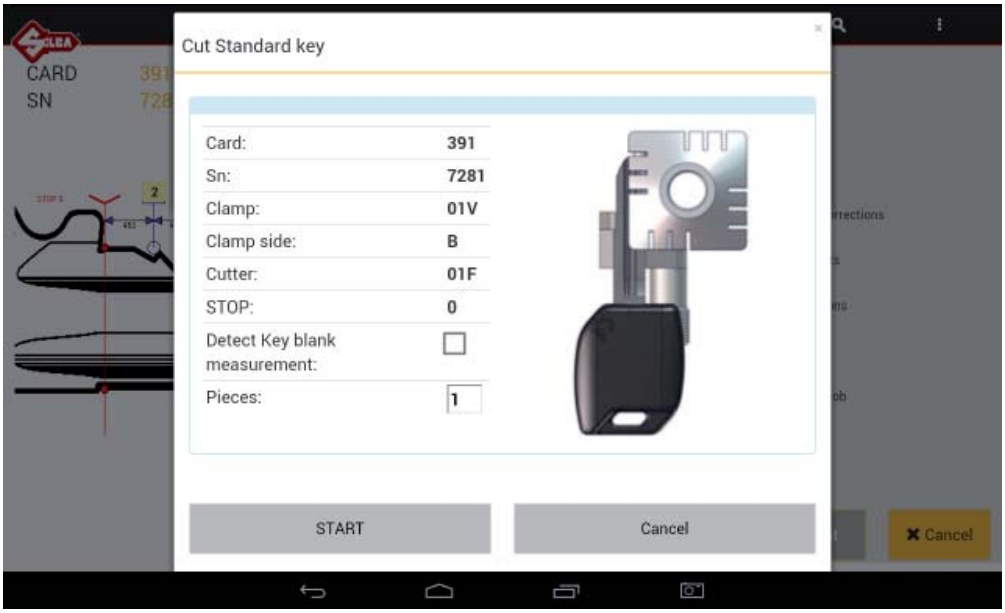
Queue of Job: used to place selected jobs in a queue.

Note: views data card notes, i.e. further specific information relating to the position of the key or an accessory, etc.

f) KEY CUTTING

To make a cut on the key, hit CUT

: information is shown about the position of the key in the clamp.
Enter the number of pieces required and press START to begin.
Observe the operations described on the screen.



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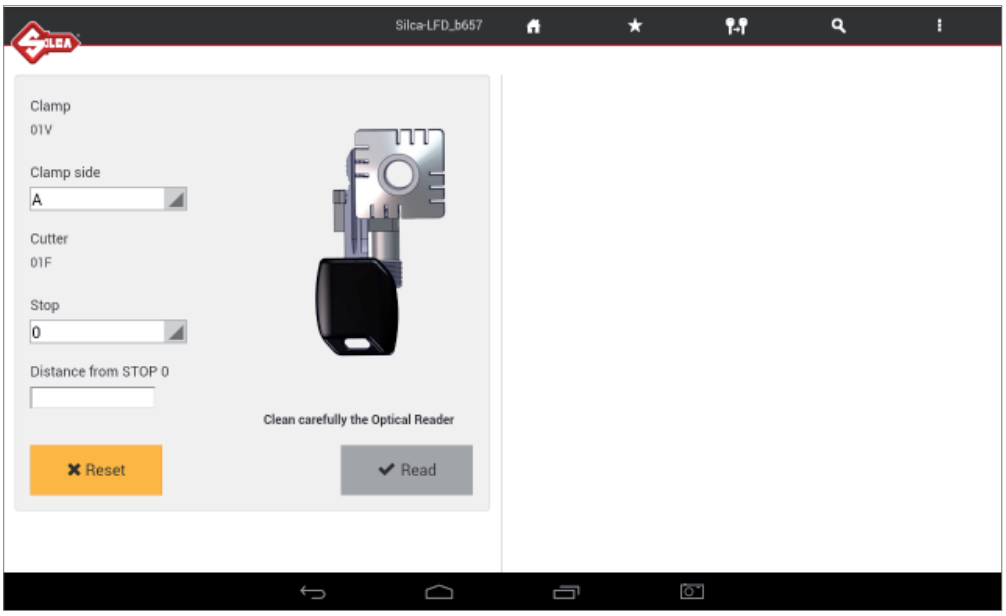
2 - COPY BY ORIGINAL

Tap “**Copy by Original”** to start the procedure for copying an original key using the laser reader as an optic reader device.

This operation can be used only for the types of keys cut on clamp 01V.
The “**Copy**” procedure is divided into two steps: first fit the original key to be read into the clamp 01V, and then fit the key blank to be cut.



In the Left-hand Part of the screen:

- select the clamp side (A-B-C-D) to be used for reading and cutting the key.
- Select the type of Stop involved (0-1-2-3-4)
  - in the case of Stop 0 the gauge is used to align the key stop
  - with Stops (1-2-3-4) a bar is used to align the stop with the key tip.
- The Distance field is used when the stop selected is 1-2-3-4 and there is an indication of the point at which the optic reader will start reading the original key. Normally this point equals Stop 0 which refers to the position of the gauge/key stop.

  Range [0 / -400 hundredths of mm] => insert only NEGATIV value.
- The Pieces field indicates how many keys will be cut.

NOTE: clean the optic reader carefully with the brush provided before starting the “Copy from Original” procedure.

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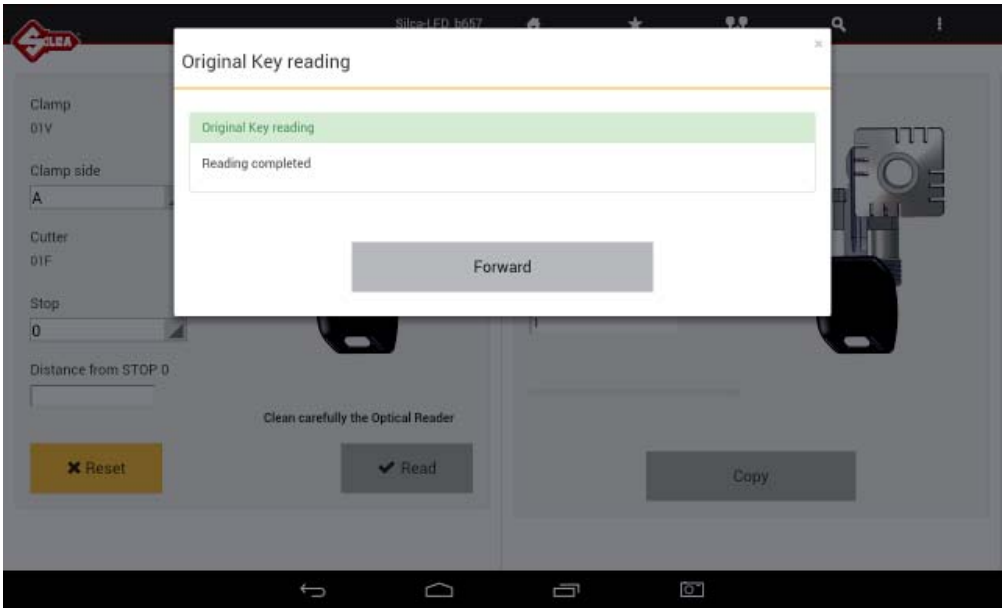
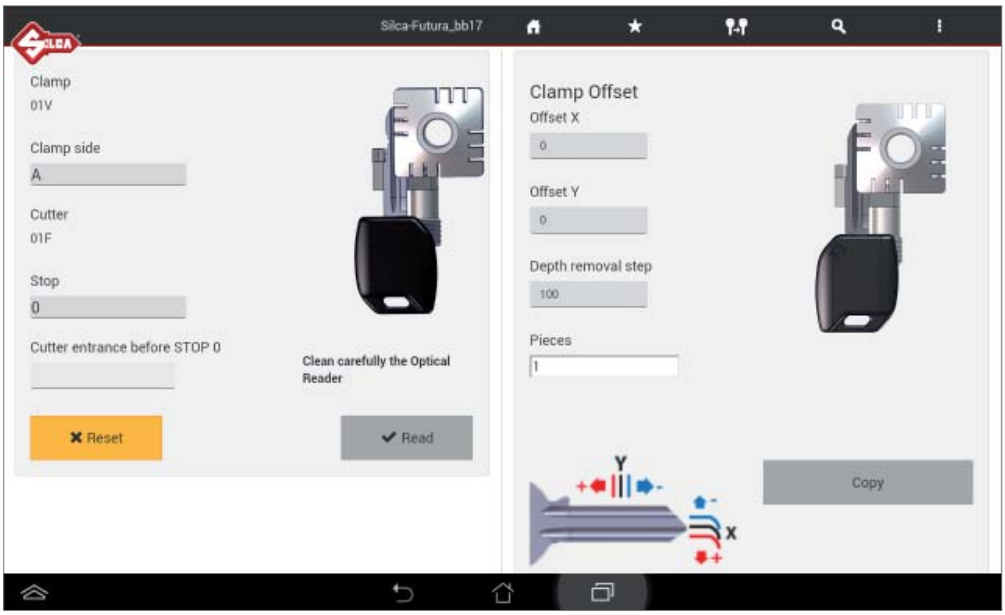


When key reading is over the message “Reading completed” will appear.
Tap “Next” and the Right-hand Part of the screen will show a window into which manual adjustments can be entered to change the spaces and depths of cuts.
It is also possible to set the “Depth removal step”, i.e. the value for maximum amount of material trimmed by the cutter at each passage.

Remove the key just read from the clamp and fit the key blank to be cut, positioning with the same Stop and Clamp Side used during the reading process.
tap “Copy” to start key cutting.



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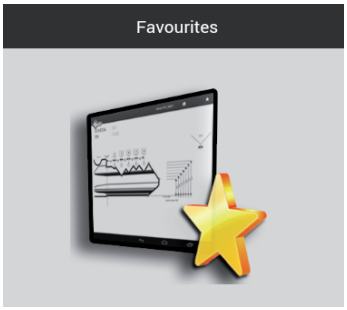
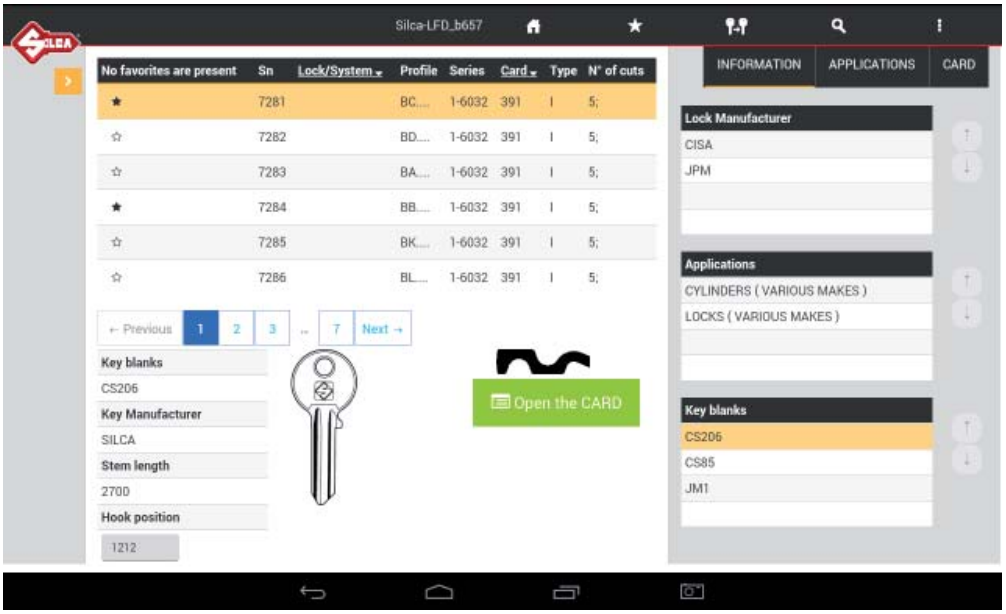
3 - FAVOURITES



The FAVOURITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys, Dimple/Track keys).

To select data cards to be included in the Favourites menu hit the star symbol in the first left-hand column of the Search menu; the symbol will be highlighted in black.



To remove a data card in the Favourites menu, hit the relevant star symbol, which will go back to white.

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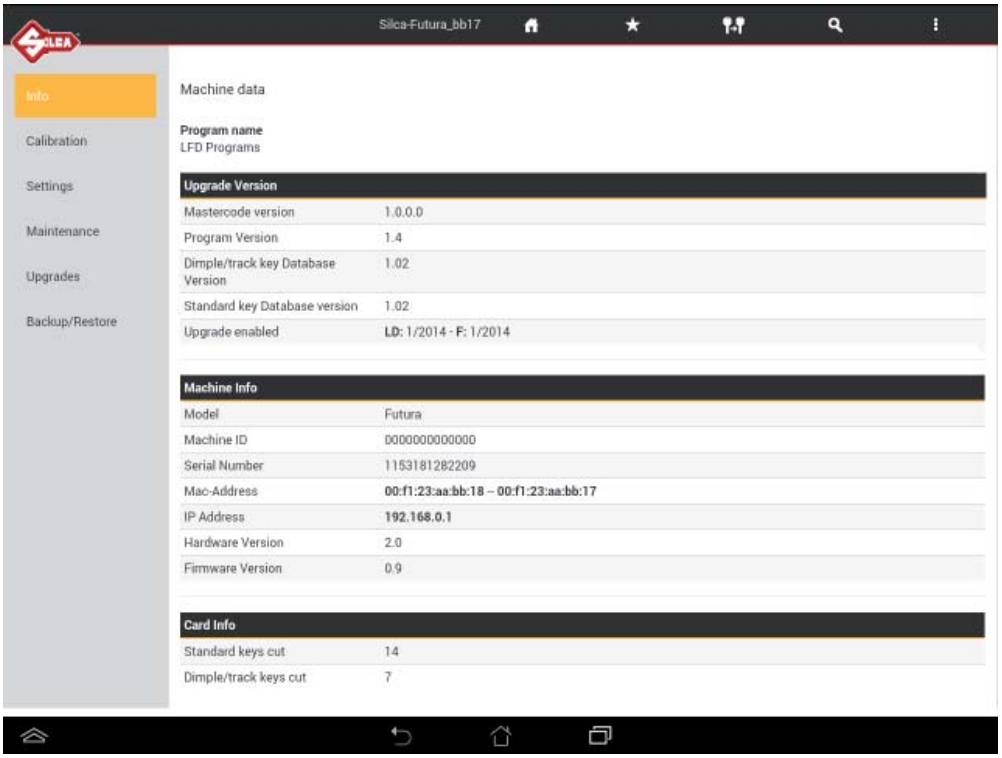
5 - OPTIONS

Options contains the following menus:

- **Info**
- **Calibration**
- **Settings**
- **Machine maintenance**
- **Upgrades**
- **Backup/Restore**



5.1 - Info

This window shows the main data for the FUTURA machine (e.g. SW update version, serial number, number of keys cut, etc.).

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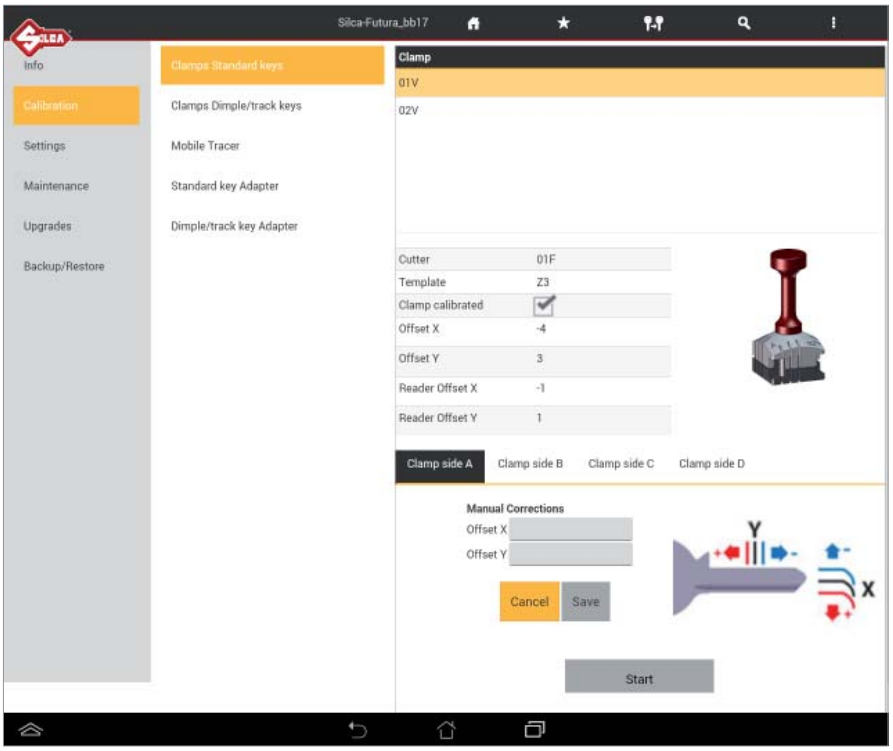
5.2 - Calibration

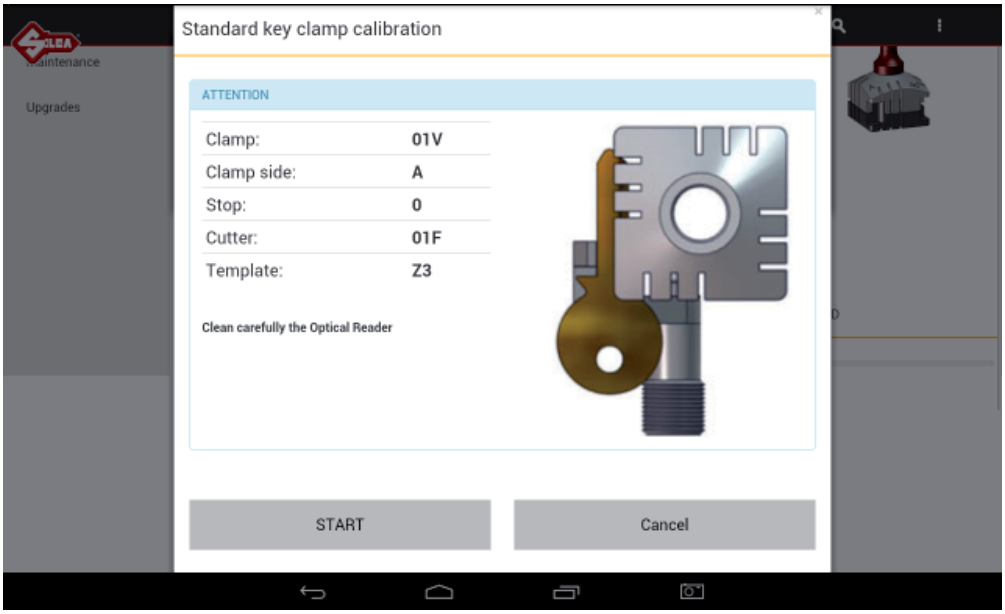
Calibration includes:

- **Clamp Standard keys**
- **Clamps Dimple/Track keys**
- **Mobile Tracer**
- **Standard key Adapter**
- **Dimple/Track key Adapter**

5.2.1 - STANDARD key clamp calibration



Hit START to begin calibration.
Fit template Z3 into the 01V clamp, as illustrated.



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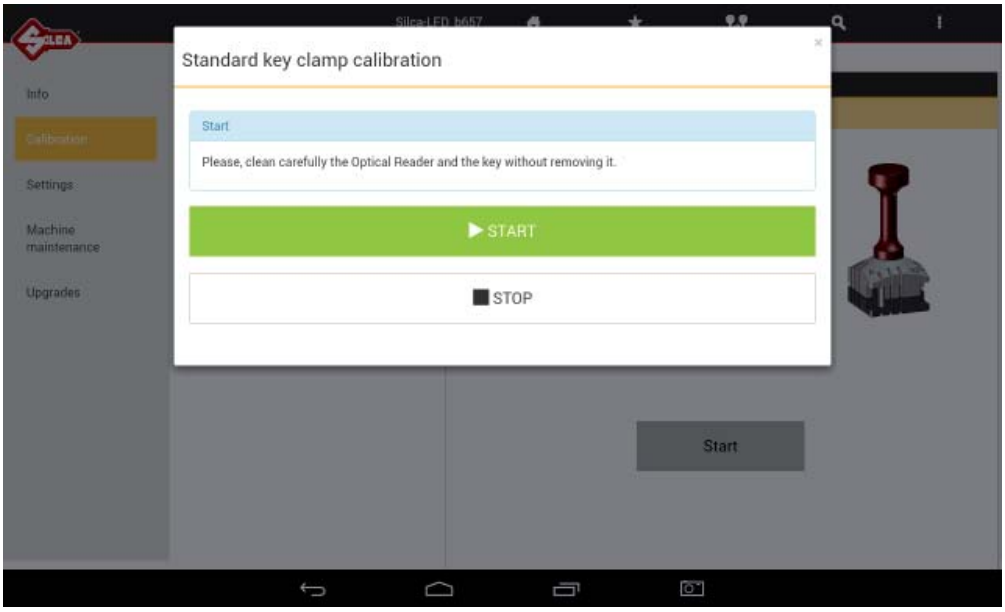
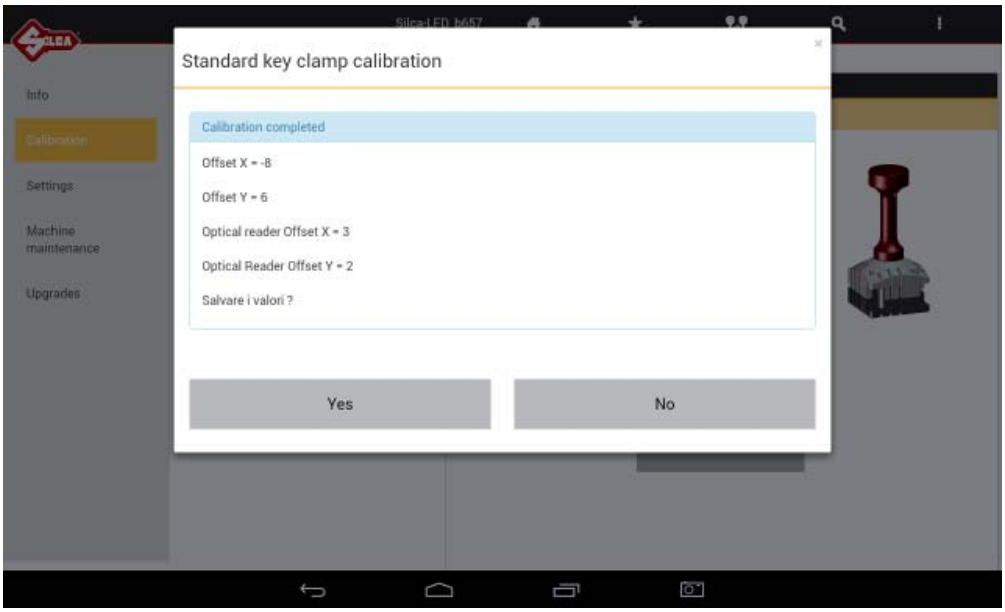
When the message “Clean carefully the Optic Reader and key without removing it” appears, lift the safety shield and carry out the required operations.
Close the safety shield and press START to continue.



At the end of the operation you are required to save the data entered.
Hit “Yes” to confirm.



The 01V clamp is calibrated only for Side A.
Only Manual corrections of Y (spaces) e X (depth) can be entered on sides B, C and D.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: lowers the cut from the axis.
Negative value of X: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm.

Tap “Save” to confirm.

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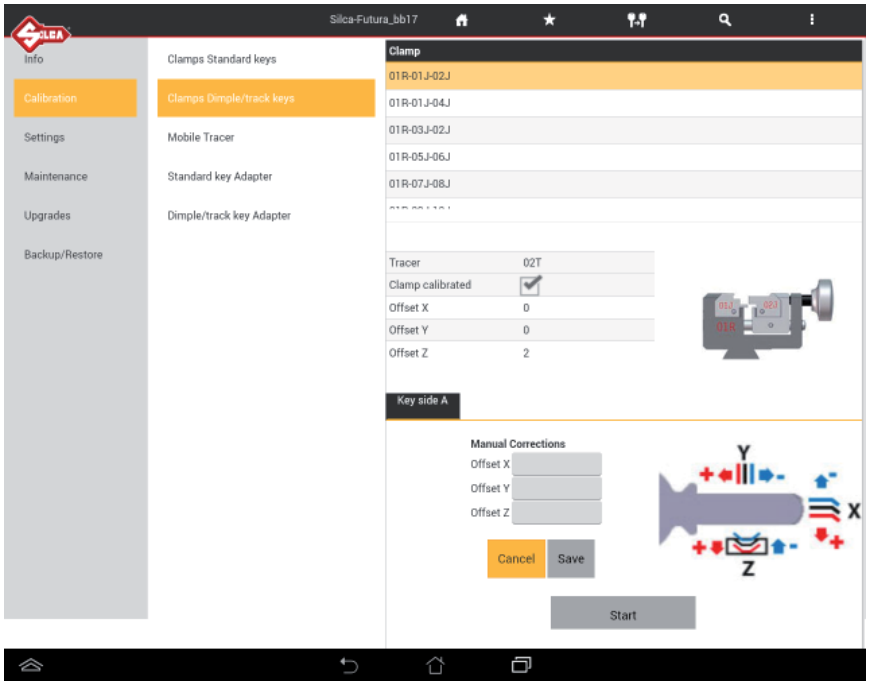
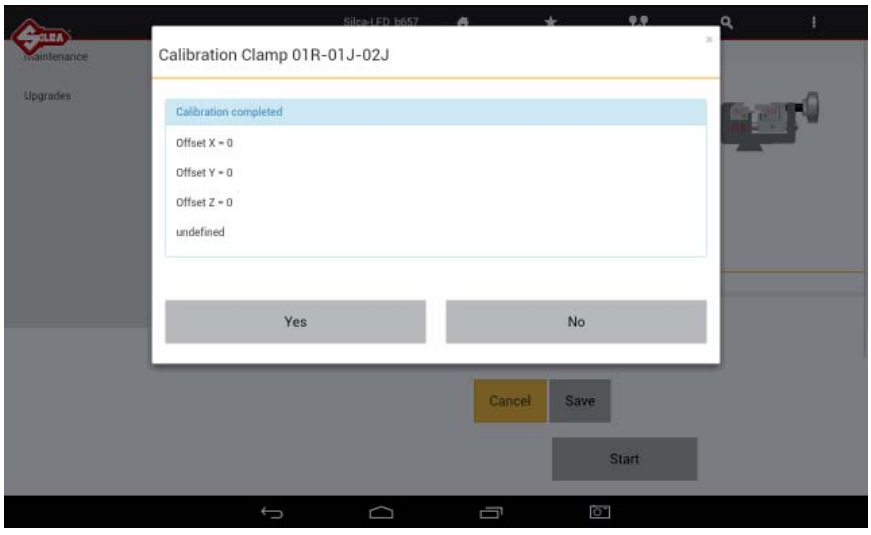
5.2.2 - DIMPLE/TRACK keys clamp calibration

This menu contains a list of standard clamps and options for cutting these types of keys. Select the required clamp and hit START to begin calibration.
Use the 02T tracer for calibrating the clamps.

ATTENTION: to calibrate clamps with J… jaws make sure the jaws are closed completely before proceeding.





At the end of the operation you are required to save the data entered. Hit “Yes” to confirm.

MANUAL CORRECTIONS

Y, X and Z axis manual corrections can be applied if necessary.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: moves cut to the right of the axis.
Negative value of X: moves cut to the left of the axis.
Positive value of Z: lowers the cut from the axis.
Negative value of Z: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm

Tap “Save” to confirm.

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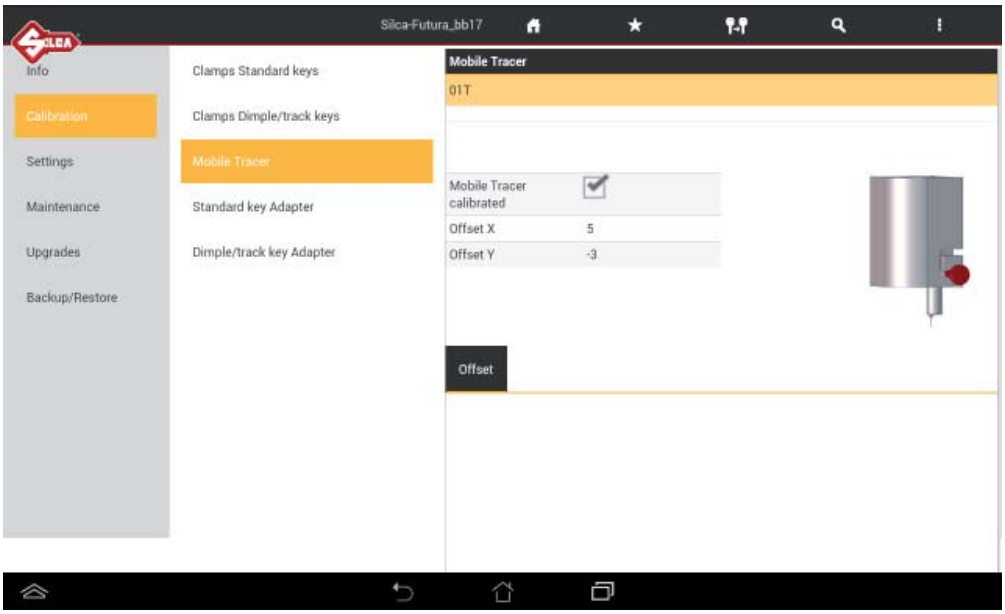
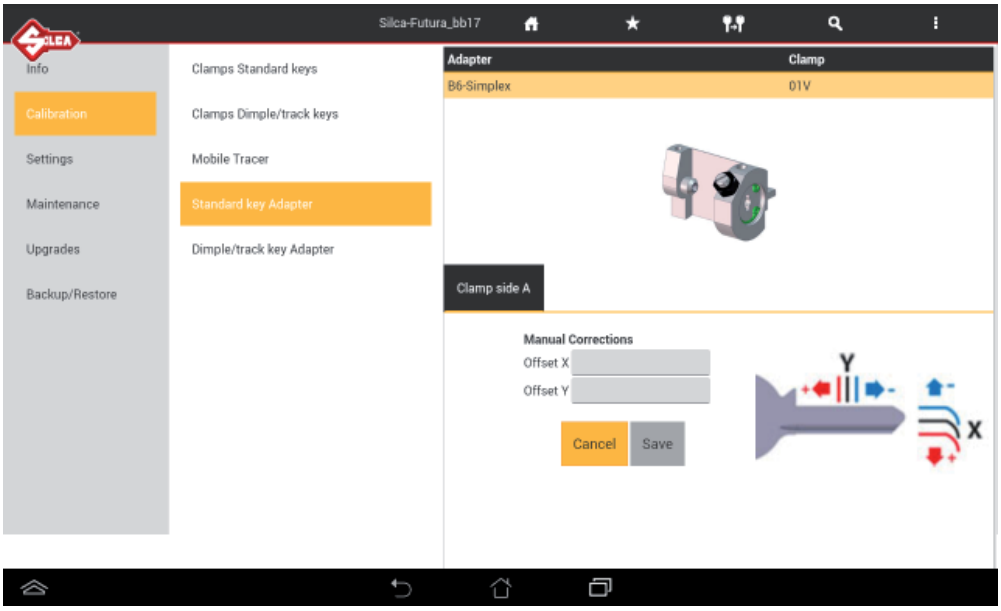
5.2.3 - MOBILE TRACER 01T calibration

ATTENTION: when calibrating the 01T mobile tracer make sure the J1-J2 jaws are completely closed before proceeding.



Hit START to begin calibration and follow the instructions on the screen.
At the end of the operation you are required to save the data entered.
Hit YES to confirm.

5.2.4 - STANDARD key Adapter calibration



Adjustments to X (spaces) and Y (depths) can be made manually.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: lowers the cut from the axis.
Negative value of X: raises the cut from the axis.
Adjustments: from -30 to +30 hundredths of mm.
Tap “Save” to confirm.

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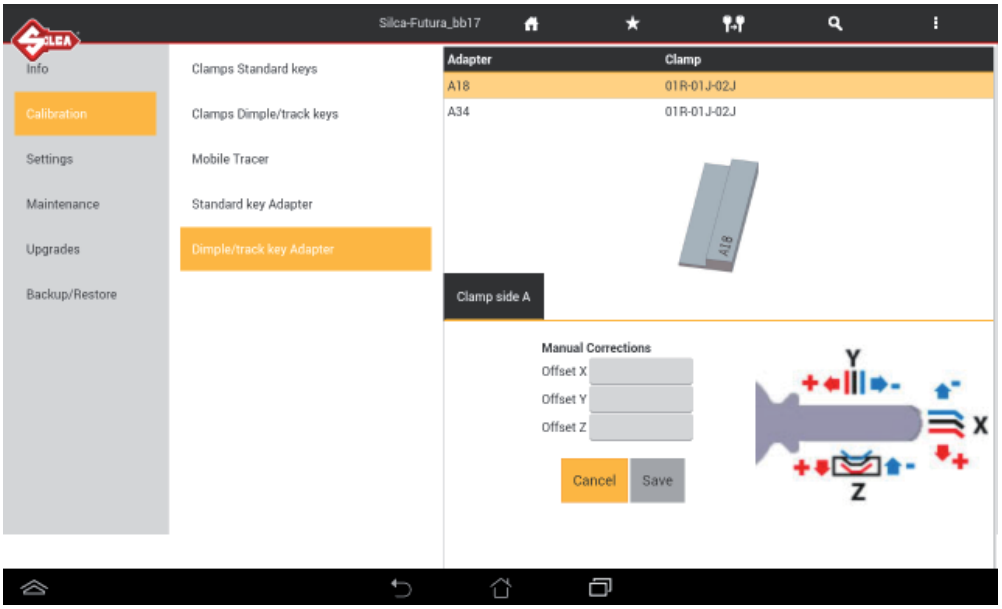
5.2.5 - DIMPLE/TRACK keys Adapters calibration



Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: moves cut to the right of the axis.
Negative value of X: moves cut to the left of the axis.
Positive value of Z: lowers the cut from the axis.
Negative value of Z: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm).

Tap “Save” to confirm.

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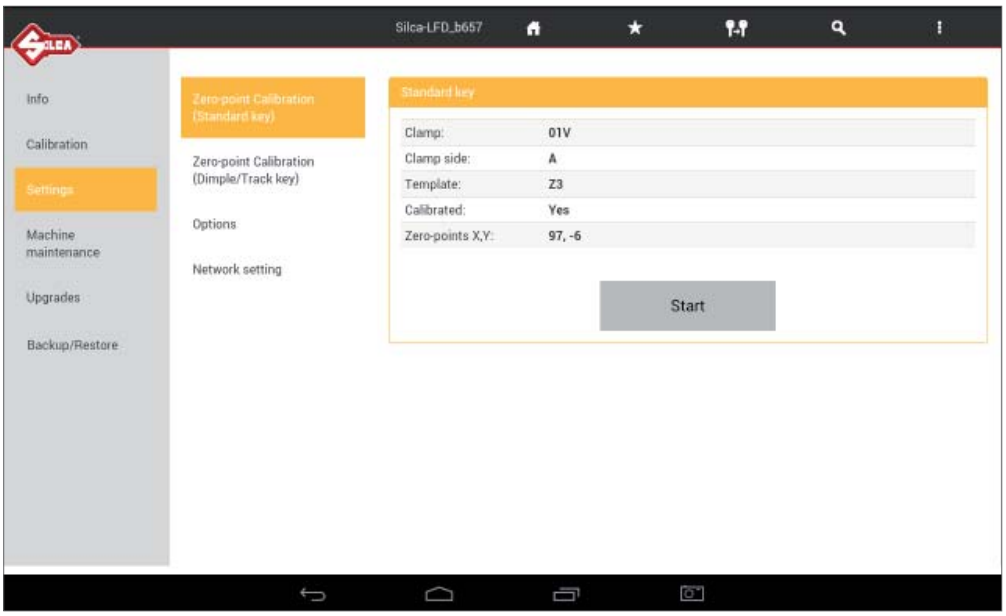
5.3 - SETTINGS

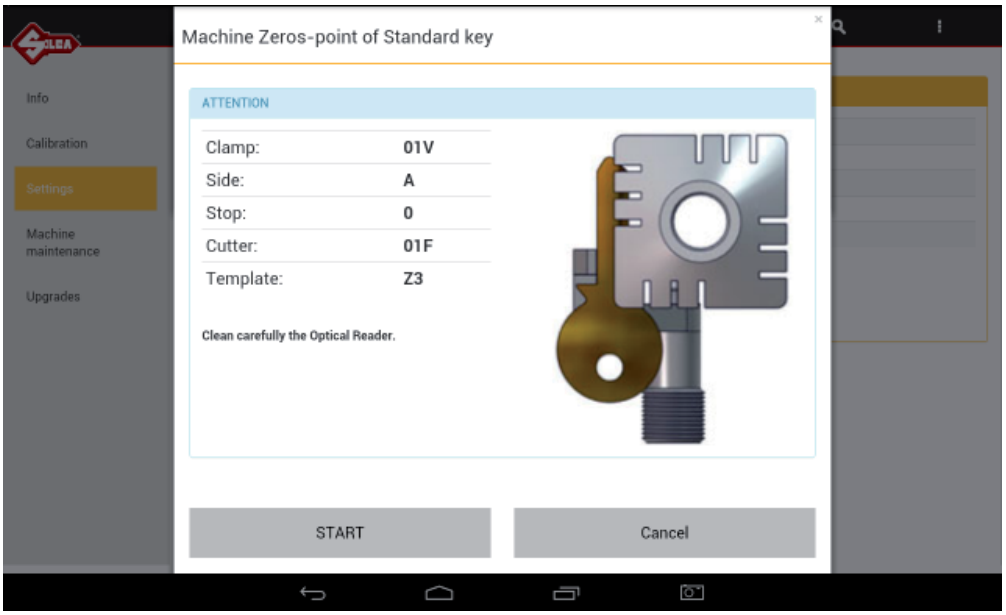
The Settings menu contains:

- **Zero-point Calibration (STANDARD key)**
- **Zero-point Calibration (DIMPLE/TRACK key)**
- **Options**
- **Network setting**

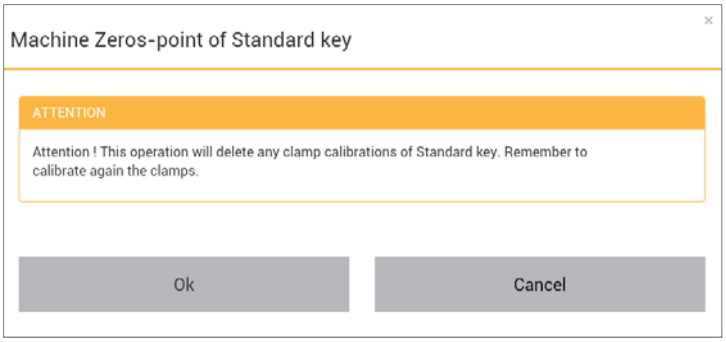
5.3.1 - Zero-point Calibration (STANDARD key)

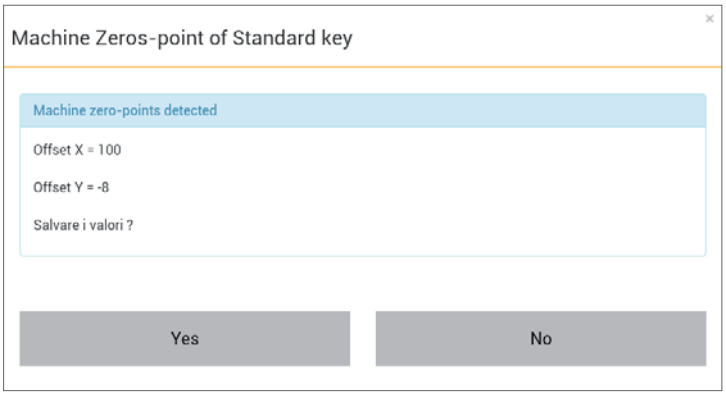
Hit START and follow the instructions on the screen.





Copyright Silca 2014


Machine Zeros-point of Standard key
ATTENTION
Attention ! This operation will delete any clamp calibrations of Standard key. Remember to calibrate again the clamps.
Ok
Cancel



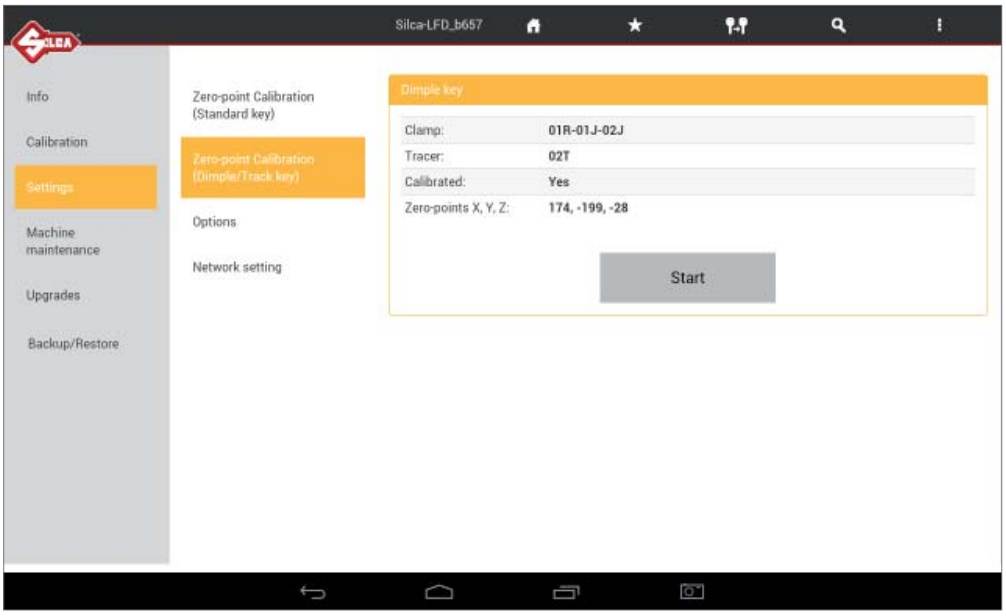
At the end of the operation you are required to save the data entered.
Hit “Yes” to confirm.

5.3.2 - Zero-point Calibration (DIMPLE/TRACK key)

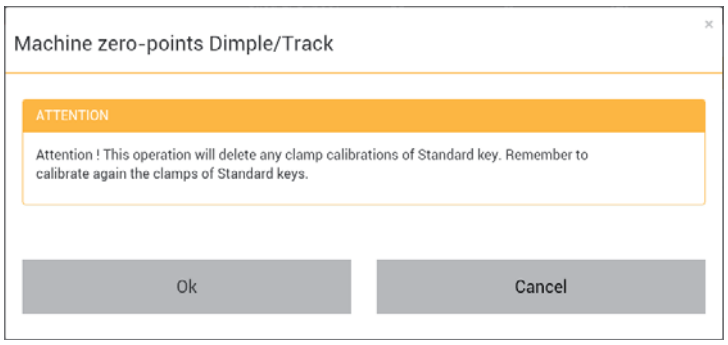
This operation requires the use of the 02T tracer.

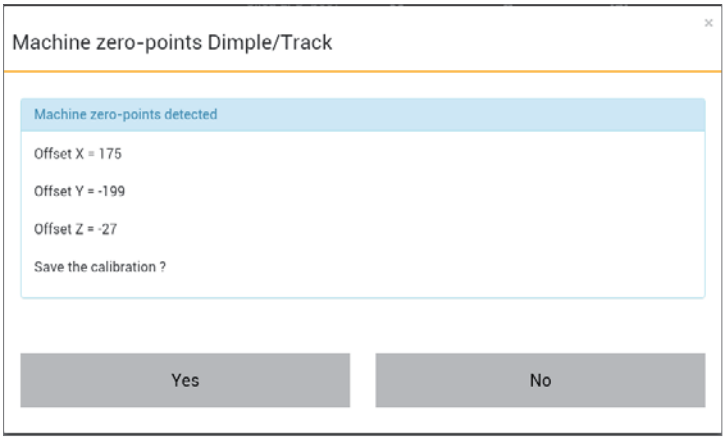
ATTENTION: make sure the jaws are completely closed before starting.

Hit START and follow the instructions on the screen.



Copyright Silca 2014


Machine zero-points Dimple/Track
ATTENTION
Attention ! This operation will delete any clamp calibrations of Standard key. Remember to calibrate again the clamps of Standard keys.
Ok
Cancel



At the end of the operation you are required to save the data entered.
Hit “Yes” to confirm

.

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5.3.3 - Options

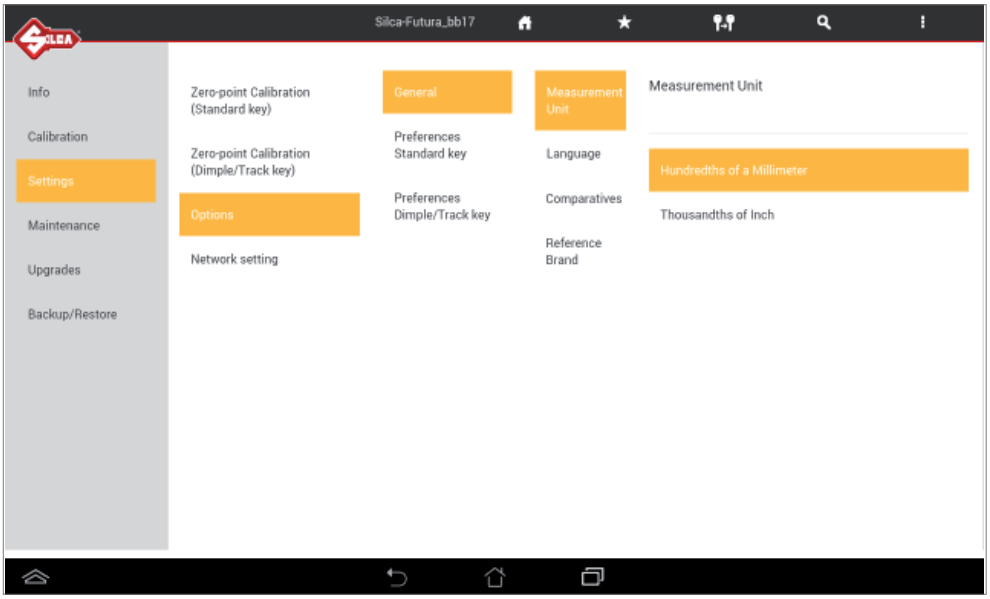
The Options menu contains:

- **General**
- **Preferences STANDARD key**
- **Preferences DIMPLE/TRACK key**

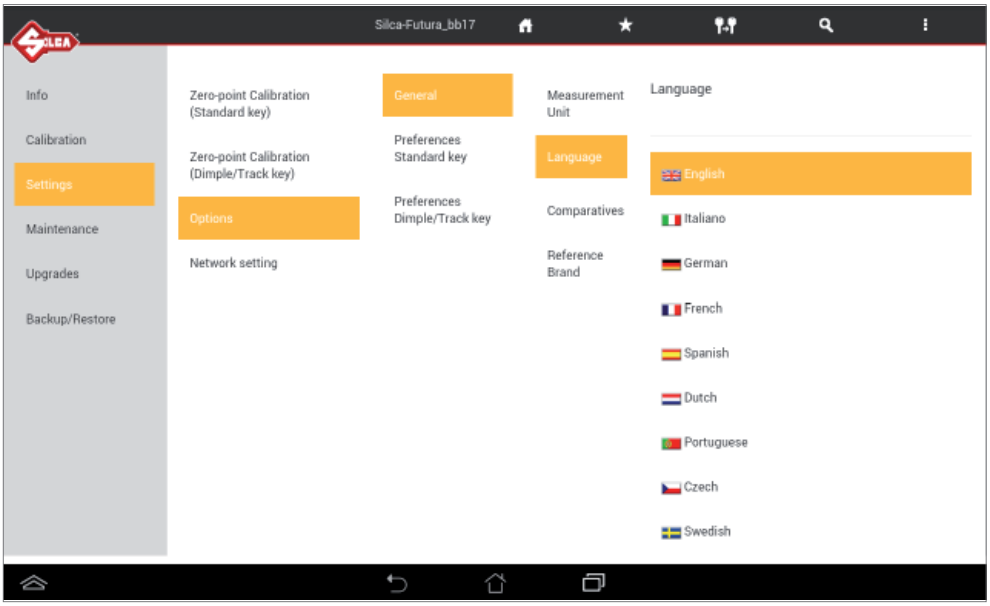
5.3.3-a - General

The following parameters can be modified:

Measurement Unit (millimeters or inches)



Language



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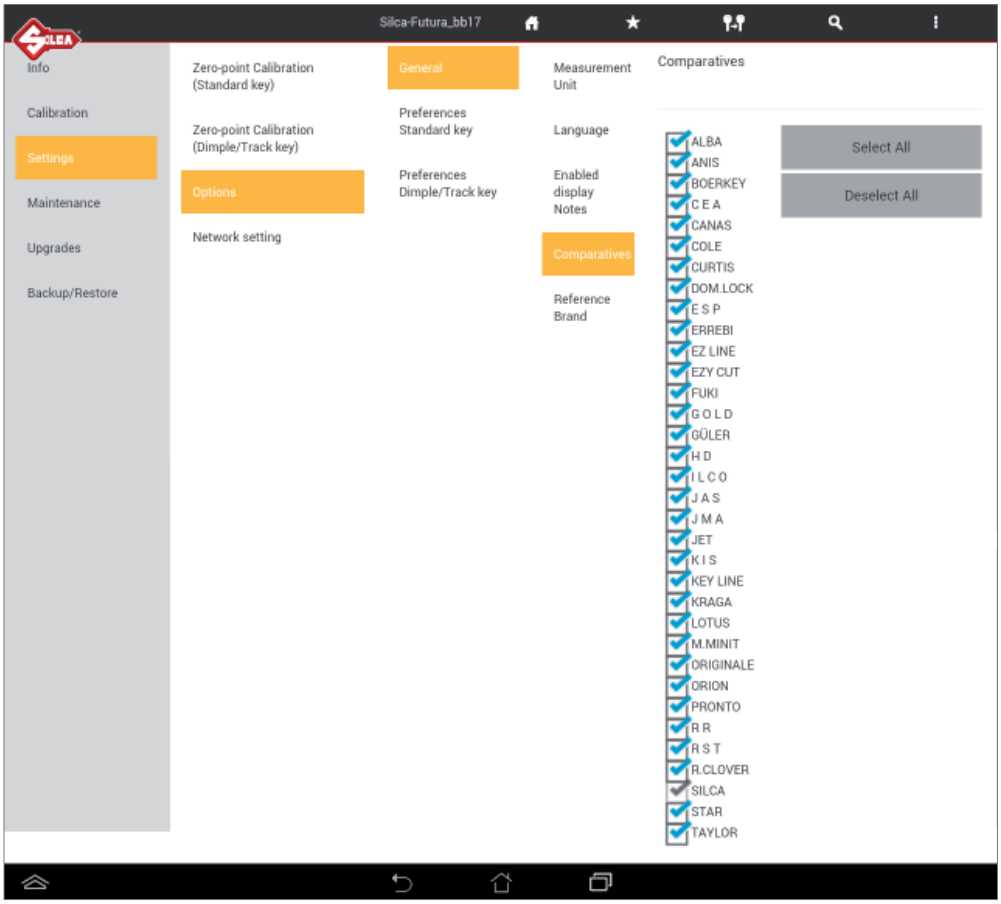
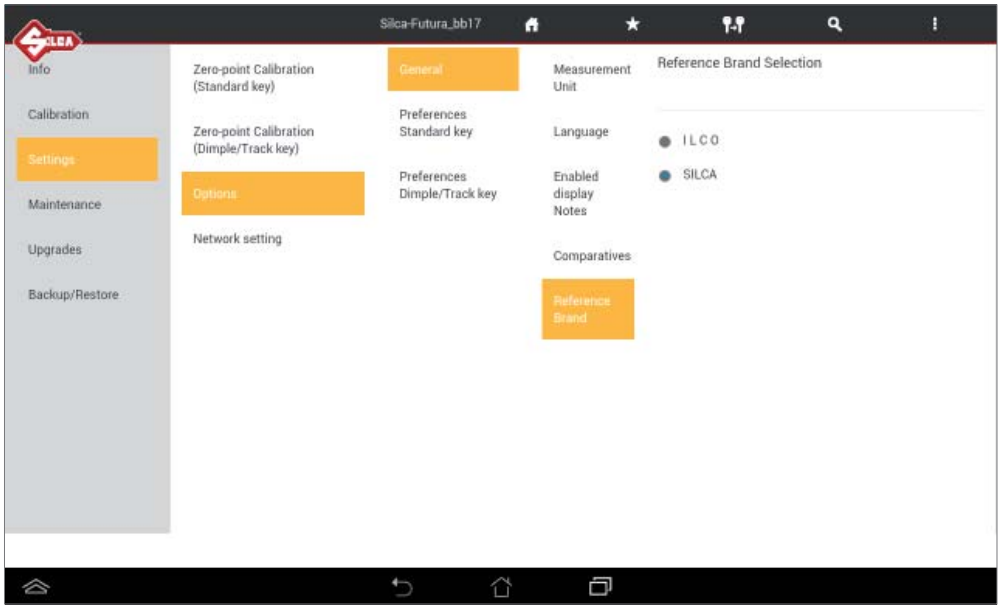
Comparatives (comparative brands to visualize for key research)
It's possible to pick and/or unpick brands that can be seen after a research of comparatives articles.
In the comparative list Silca is activated by default.



Reference Brand (key producers to visualize)
After a key search… the key to be duplicated will always (with exception*) be the Silca reference by default.
ILCO can also be set as a reference by default.

** keys that are not produced by Silca (copyright - obsolete - new keys)*



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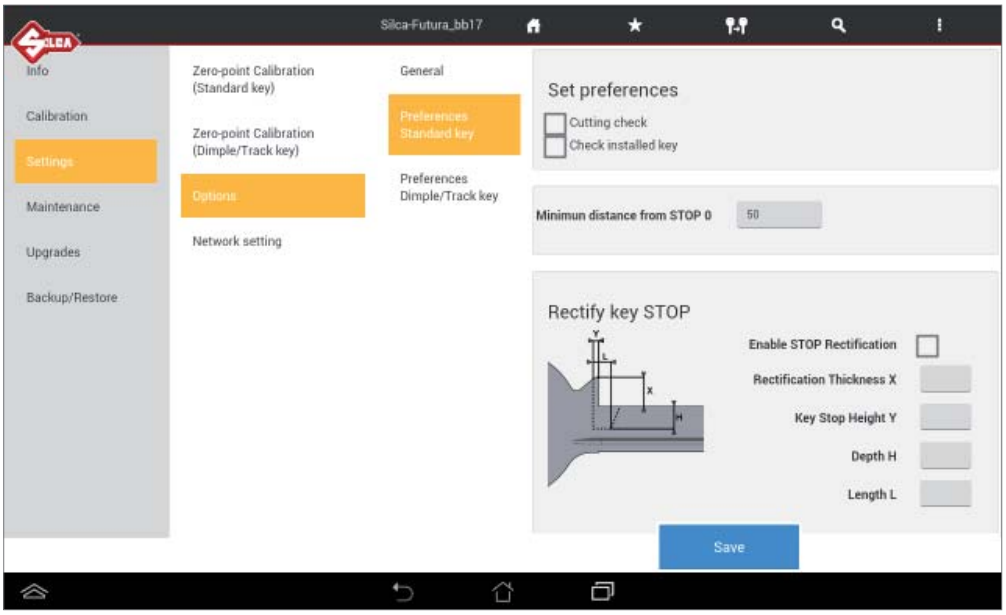
5.3.3-b - Preferences Standard key

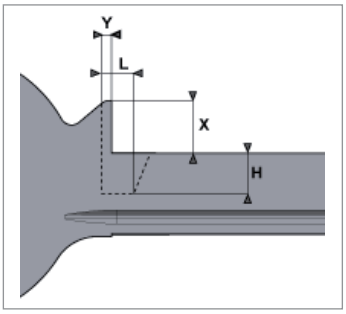


Cutting ckeck: when enabled checks the combinations not included in the data cards, if applicable.

Check installed key: when enabled checks whether the second side of the key is properly aligned in the clamp. Any alignment errors will be offset. This function is used only for keys with cuts on both sides.

Rectify key STOP: when enabled adjusts the key stop as per instructions on the screen.

Minimum distance from stop: the range [50-90] (hundredths of a millimeter)



Interval for parameters involved (in hundredths of a millimeter):

X	0 - 99
Y	0 - 400
H	0 - 400
L	0 - 500

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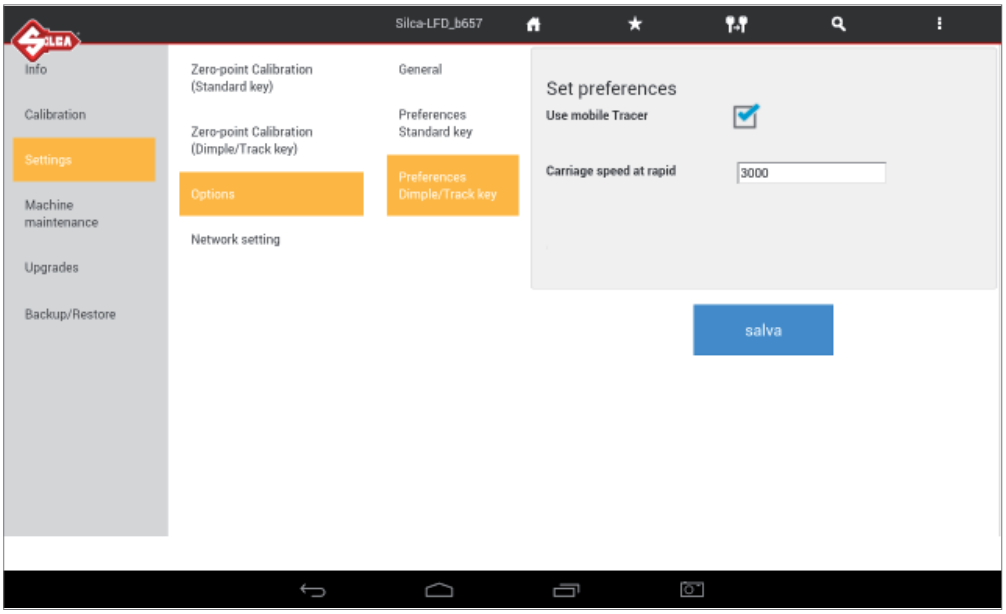
5.3.3-c - Preferences DIMPLE/TRACK key



Set preferences: used to enable or disable the use of the 01T mobile tracer. If the field is not selected the 02T tracer is required, to be fitted into the shaft for the decoding operations.

Carriage speed at rapid: used to set the carriage speed for rapid movements; the pre-set value of 3000 is recommended by Silca.

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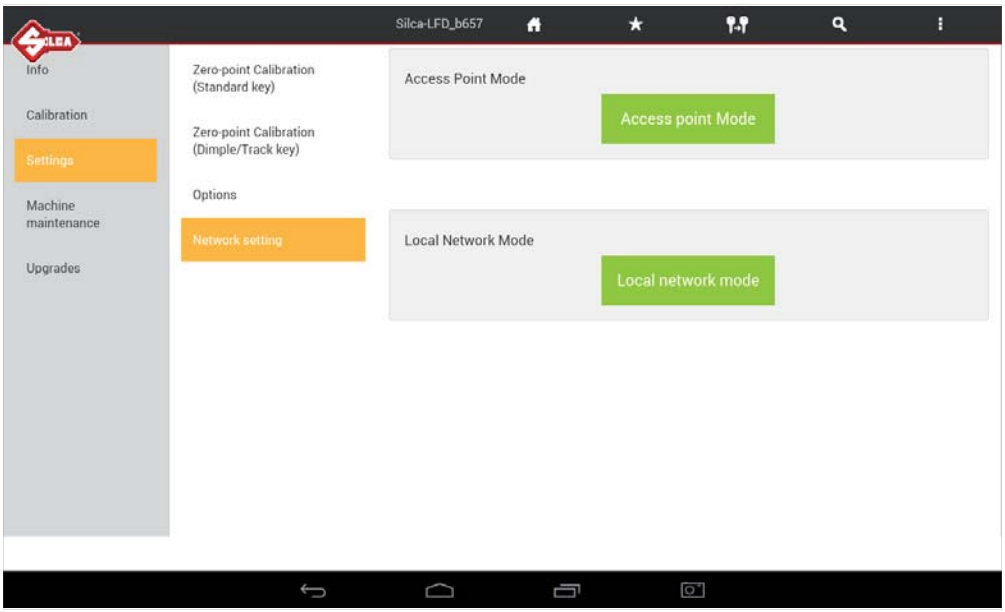
5.3.4 - Network setting



The Futura machine can be set up in one of the two modes below:

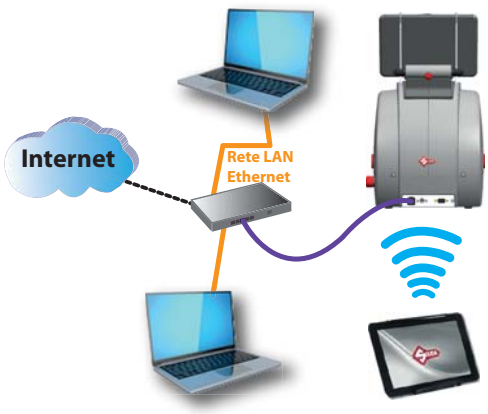
- **ACCESS POINT Mode**
- **LOCAL NETWORK Mode**

LOCAL NETWORK Mode

ACCESS POINT Mode

LOCAL NETWORK option

LOCAL LAN CABLED NETWORK



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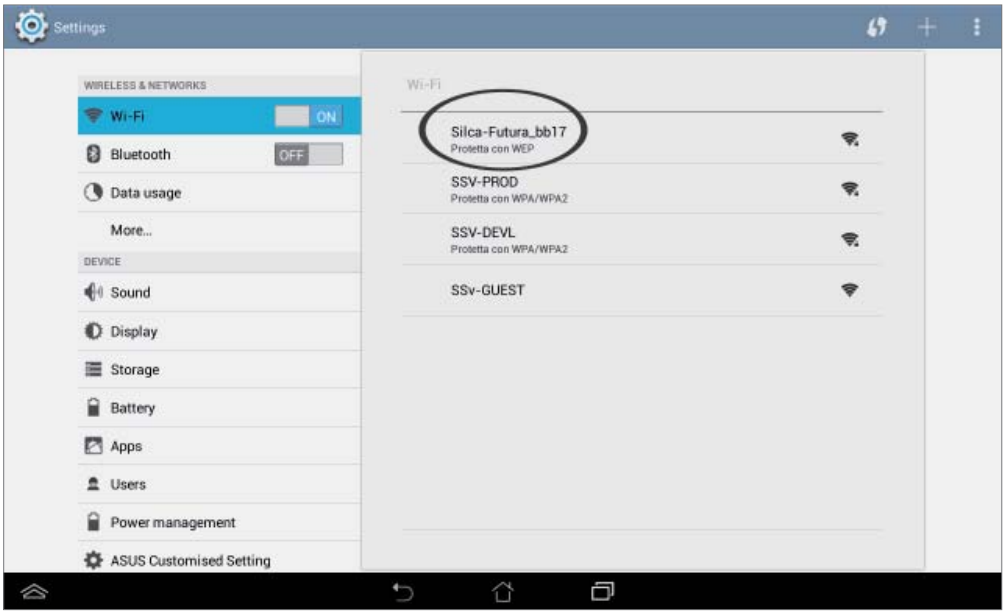
ACCESS POINT Mode: in this mode the tablet connects directly to the machine. The machine is set on this mode in our workshops.

When the machine and tablet are switched on the connection automatically activates in around two minutes; if not, check the Wi-Fi connection from your tablet to see if the machine is included in the Wi-Fi networks that are found; the Futura machine will appear as **Silca-Futura_....**



If it is not connected pick “Silca-Futura_...” and input the password which correspond to the Futura machine serial number (made up of 13 numbers).

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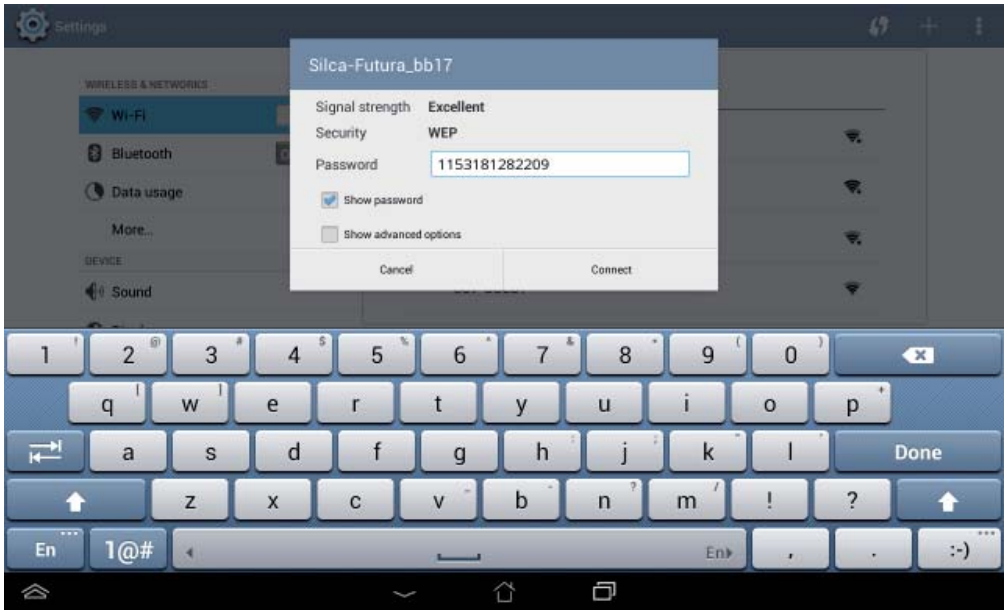
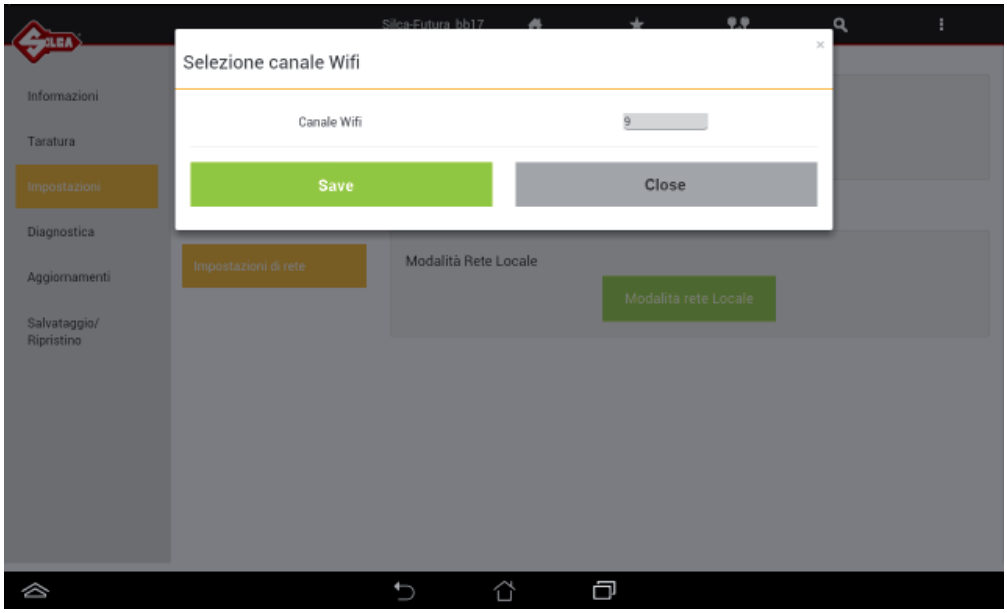


The option to change the Wi-fi channel is used in cases when the (point to point) communication cannot be properly connected since there are too many devices tuned to the same channel.
It also permits the user to adapt to the rules and restrictions of Wi Fi cannel use in their country.
To change the channel one must first be connected, select the new channel and then reboot the machine.



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LOCAL NETWORK Mode: this mode is used to connect the machine to a Wi-Fi router. Connect the tablet to the same router to communicate with the machine.

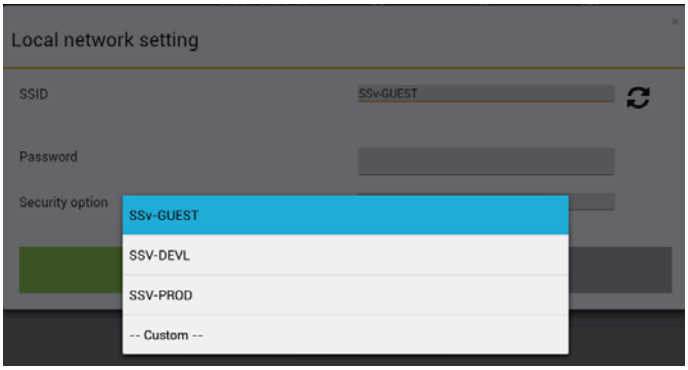
There are 3 steps that should be taken:

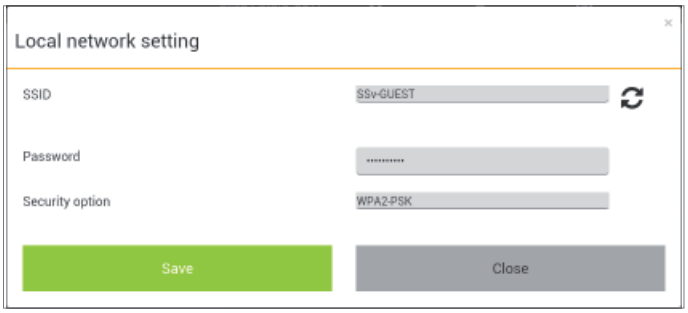
1) FUTURA CONNECTION TO A WI-FI ROUTER

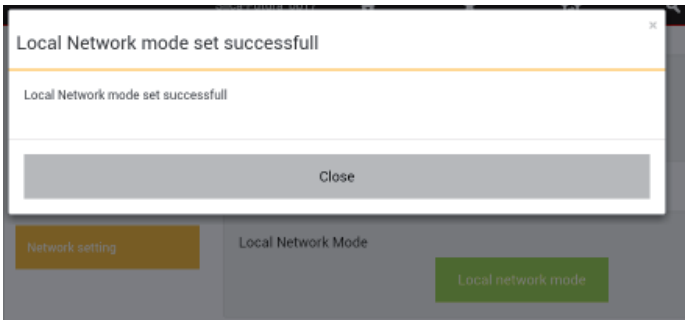
Pick the network to which you want to connect by tapping the SSID field and then inserting the network's password.

Tap "Save" to reboot the machine in Local Network. The machine should initially reboot with a flashing white and blue light, to then end with two flashing blue lights that indicate the connection to the local network was successful.

If the inserted password was incorrect the machine would reboot in Access Point mode with an intermitted flashing blue light.







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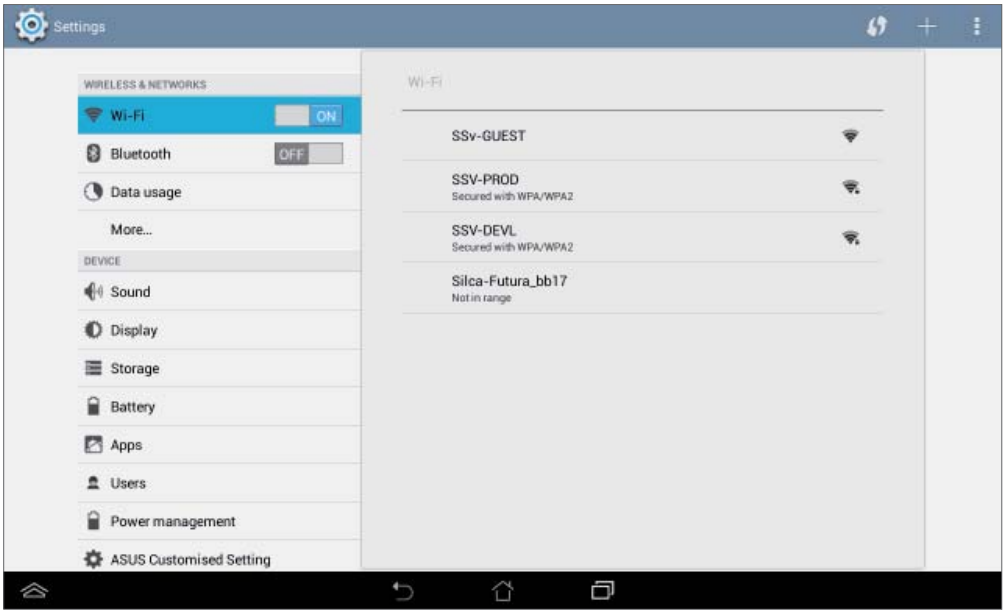
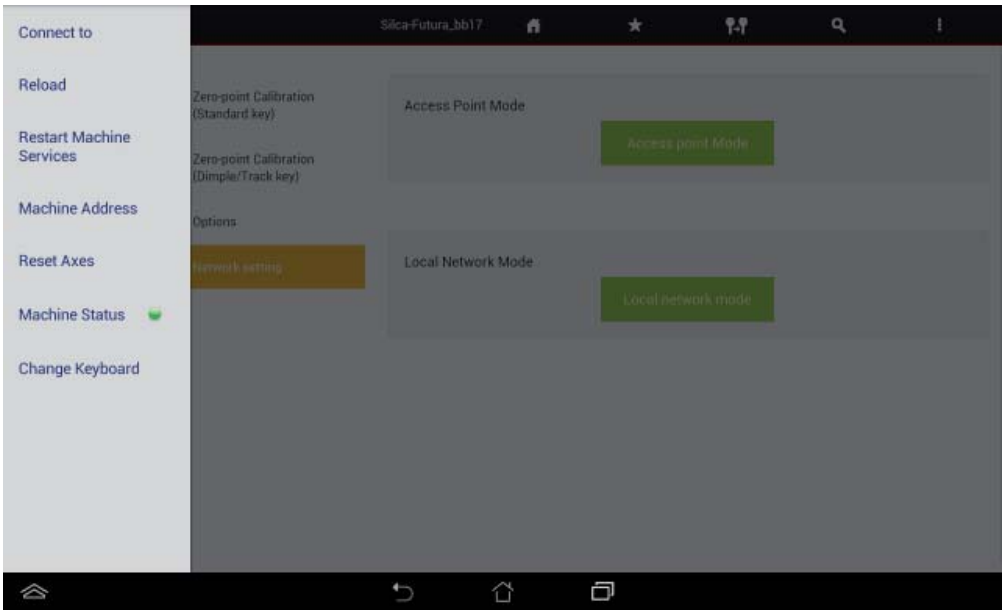
2) CONNECTING TABLET TO A WI-FI ROUTER

From the tablet's "Settings" menu tap on the desired network to connect.



3) REBOOTING THE FUTURA'S APPS

Open the left pull-down menu by swiping from left to right and pick "Connect to".



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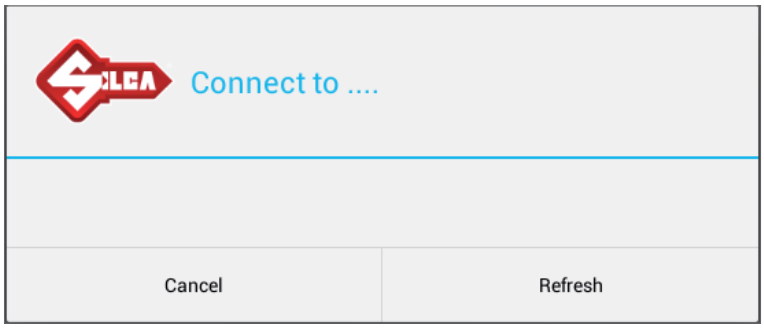
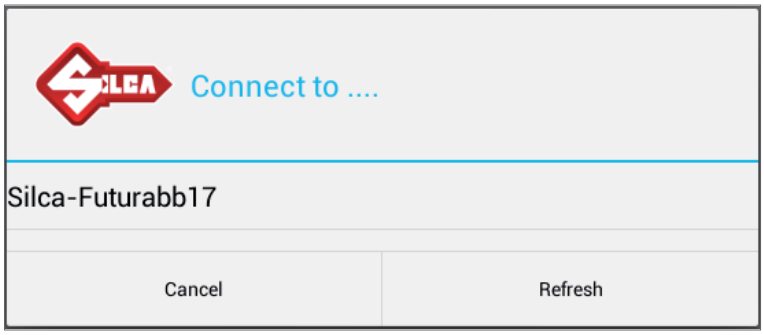
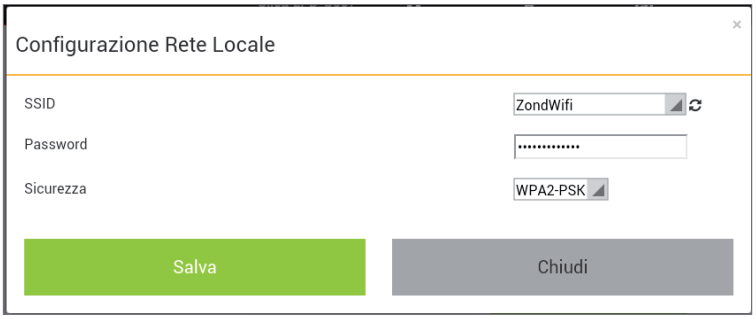
Tap on “Refresh” in the following window.



Tap on “Silca-Futura…” in the following window to obtain a connection between the Futura’s Apps and the machine.



The last mode setting will be automatically saved by the machine at each successive reboot; if the last setted mode was “Local Network” and this mode is not recognised within a certain time frame the Futura will automatically go to “Access Point” mode.



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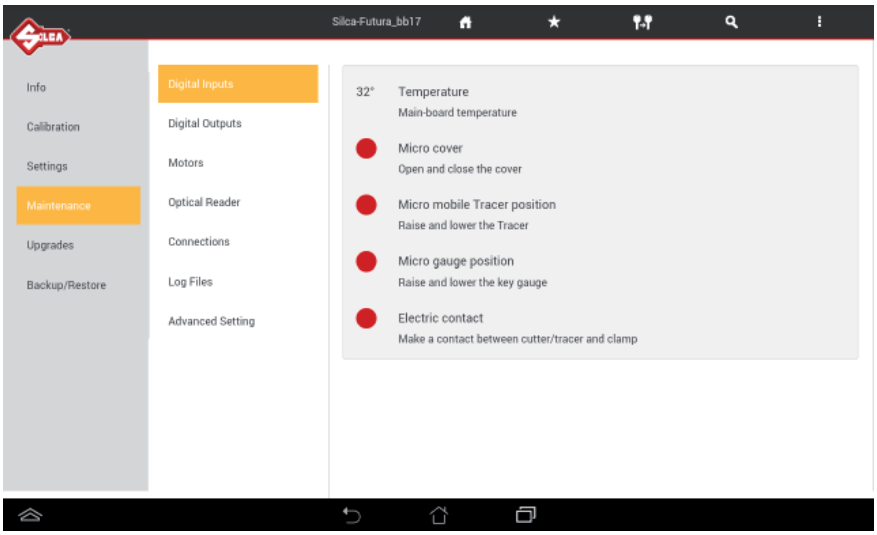
5.4 - MACHINE MAINTENANCE

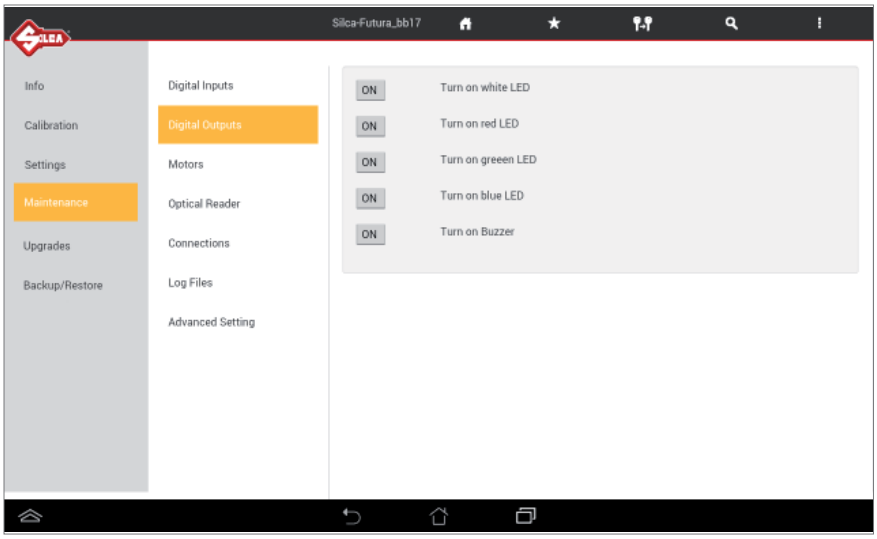
- **Digital Inputs**

This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.
To perform the test carry out the movement described for each item and check that the relative signal changes colour from red to green.



- **Digital Outputs**

This function is used to test operation of the digital outputs on the electronic board and relative devices connected to it. To perform the test hit ON on the screen.



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- **Motors**

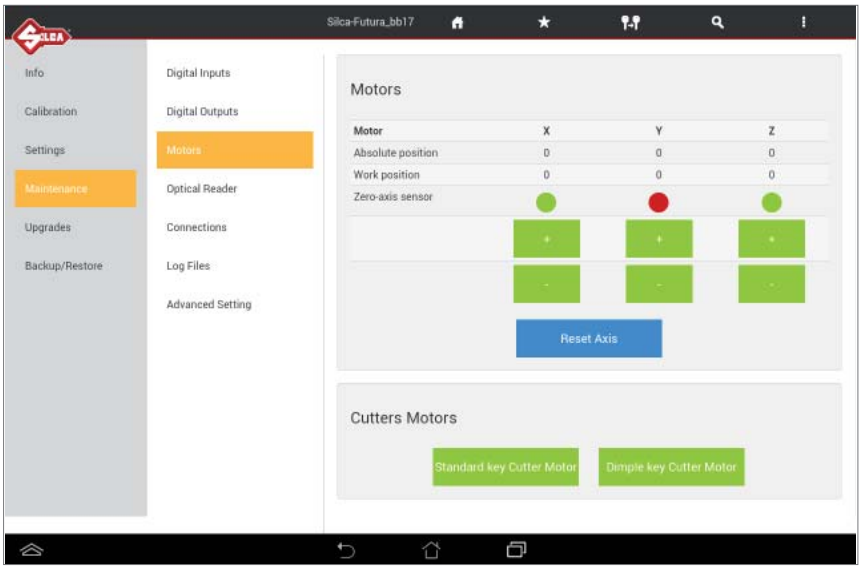
This function is used to test operation of the 3 step motors for the X, Y and Z axes (at the moment the B axis is not used).
To perform the test hit “+” for the axis involved. Hit the same key again to stop the movement.
The Reset key homes the axes.

NOTE: hit “-” only when the value shown in the “Working position” field is positive.

Axis clearance sensor: the ring becomes green when activated.

- **Cutter motors**

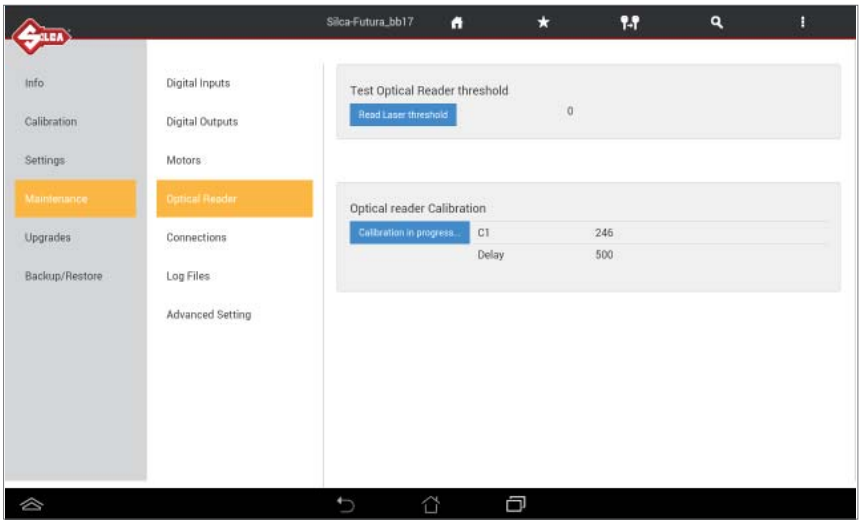
To perform the test tap the button for the motor to be tested: check that the cutter turns for 5 seconds.



- **Optical Reader**

Perform the Optical reader threshold test to verify if the optical reader is active.

- Tapping on the “Read laser threshold” switches the optical reader from OFF to 0.



- Perform the Optical reader threshold test only if encountering anomalies when reading and/or decoding keys.
- Thoroughly clean the optical reader’s glass, close the protective shield.
- Tap on “Optical reader calibration”. The ideal value should be within a field C1 [200-260] and the Delay field value should be within [500-1500].

ATTENTION: after the Optical reader calibration proceed with the machine zero points calibration (standard flat keys) then with the standard flat keys clamp (and/or clamps) calibration.

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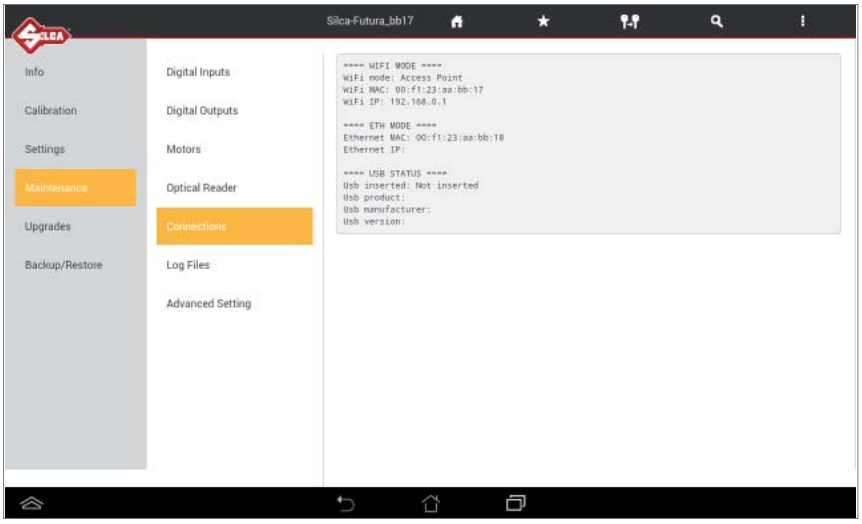
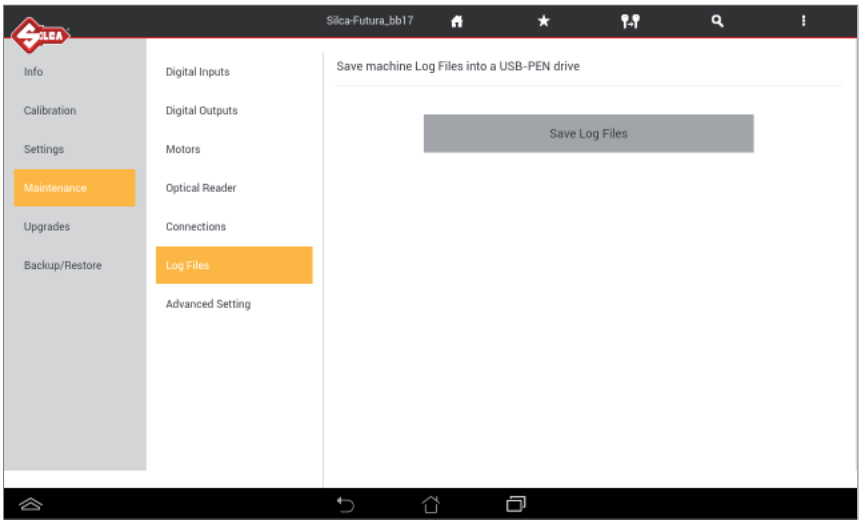
- **Connections**

This function shows all the machine connections that are available.



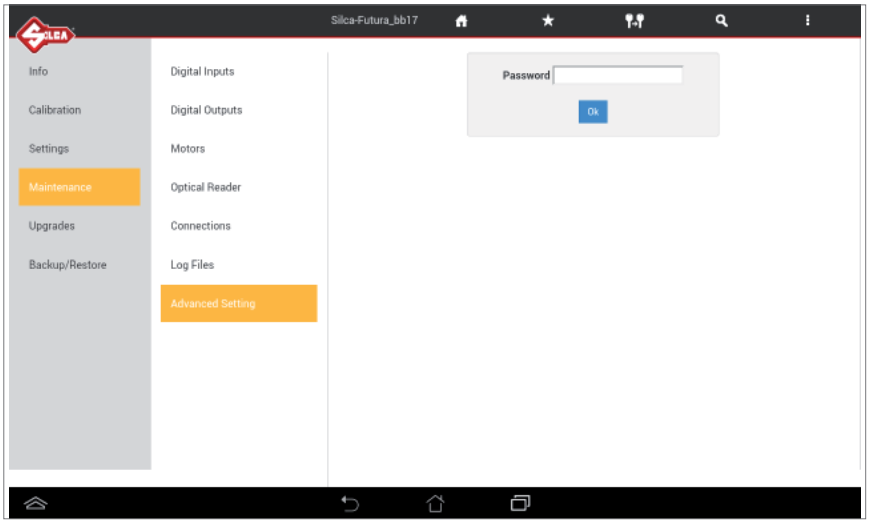
- **Log Files**

This function permits to create and save a log file on a USB key that can be connected to the machine's USB port. The Log file is requested by Silca when on board machine software anomalies are encountered.



- **Advanced Setting**

Function for Silca internal use.



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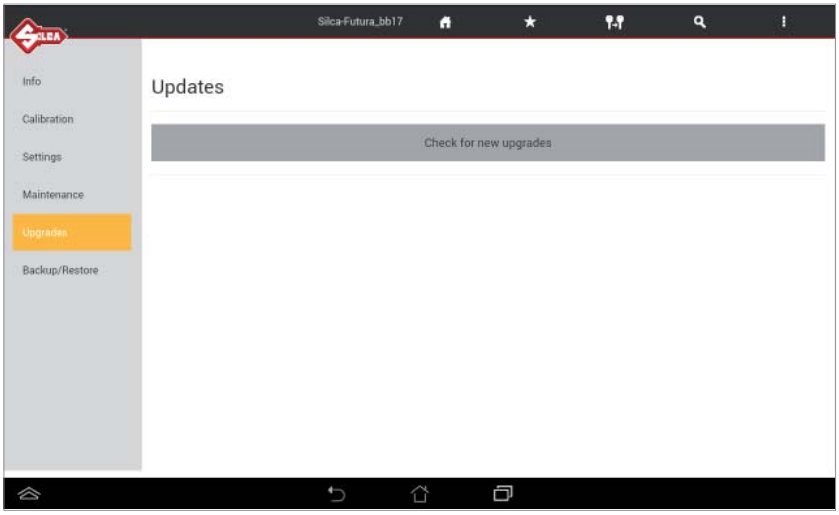
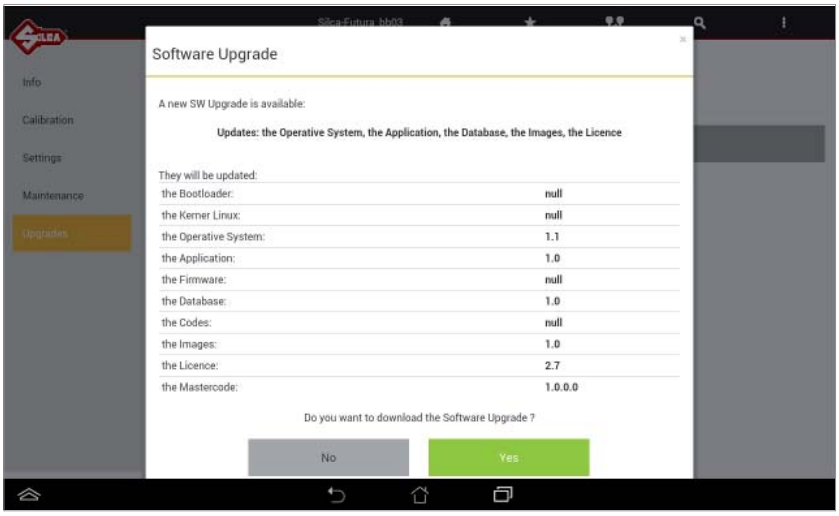
6 - UPDATES

ATTENTION: do not use USB key type internet connections.

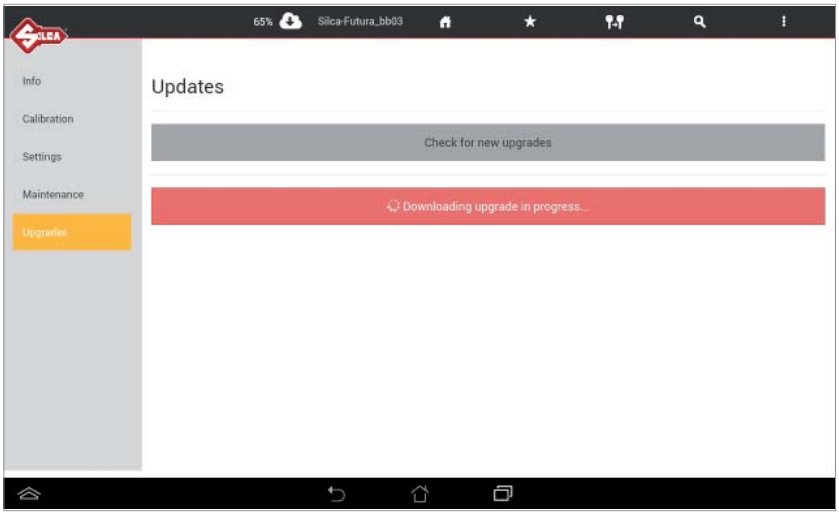
ATTENTION: to be able to proceed remember to connect the Futura machine to the Local Network. The Local Network must have an Internet connection.



Tap on “Check for new upgrades” to get the list of Software that is available.



Tap on “Yes” to start downloading.



When the download is completed reboot the Futura machine.

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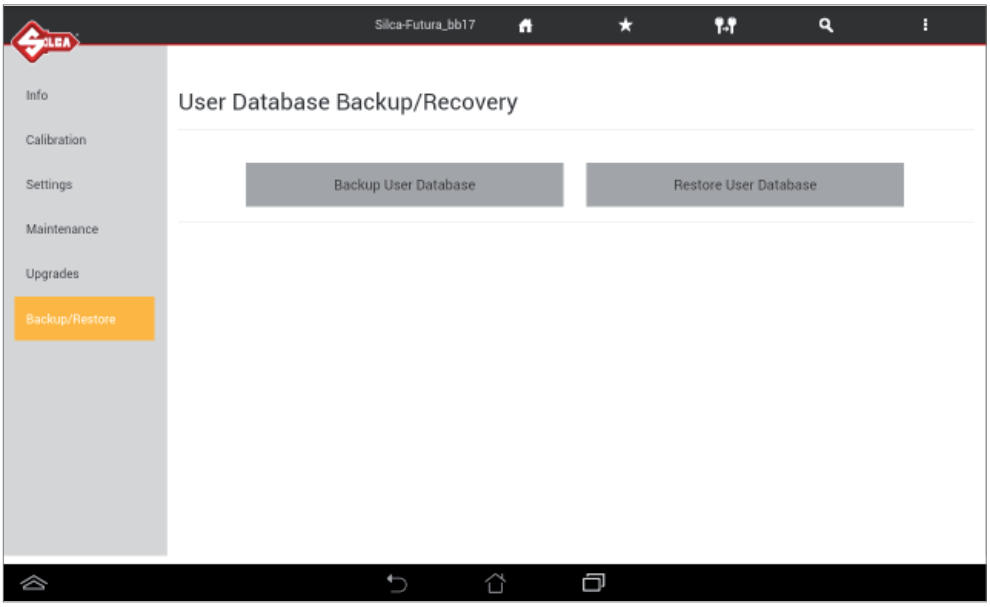
7 - BACKUP / RECOVERY

This function permits to create and save a backup (backup User database) file in a USB key that can be connected the machine's USB port.
Also provided is the recovery (Restore User database) function always using the USB key with the last file that was saved on it.



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g) CHANGING TABLETS

If a new tablet is to replace the previous one, download/install the Futura App. and the customized “Silca Keyboard”.
Proceed as follows:

1) Make the Wi-Fi Tablet-Futura connection (see Ch. 5.3.4 Network Settings).
2) Open the browser and enter the following addresses:
   192.168.0.1/Silca.apk to download the App
   192.168.0.1/SilcaKeyboard.apk to download the keyboard
3) Open the “Downloads” application to see the two apps just downloaded, and tap each one for installation.

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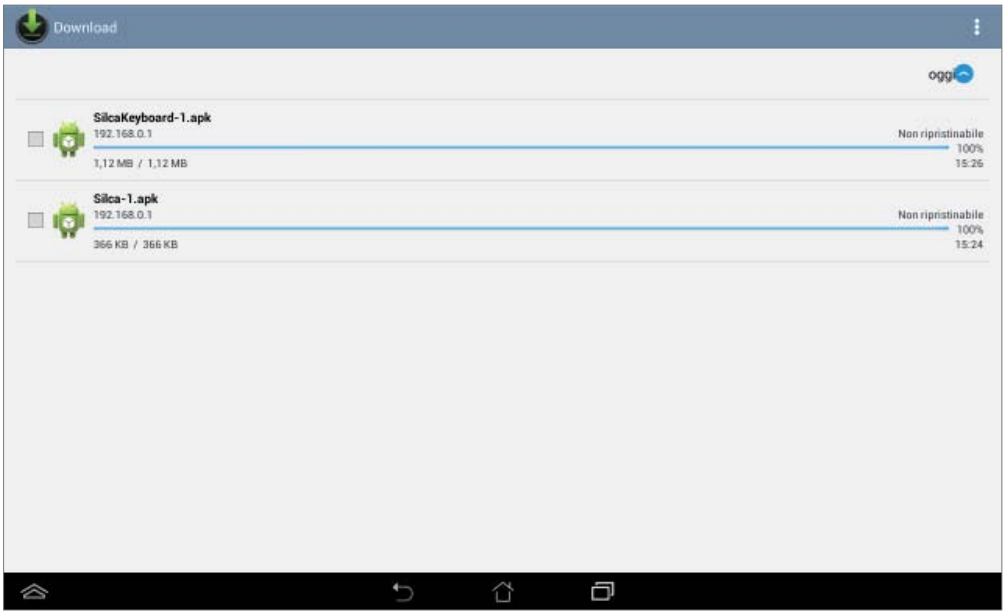

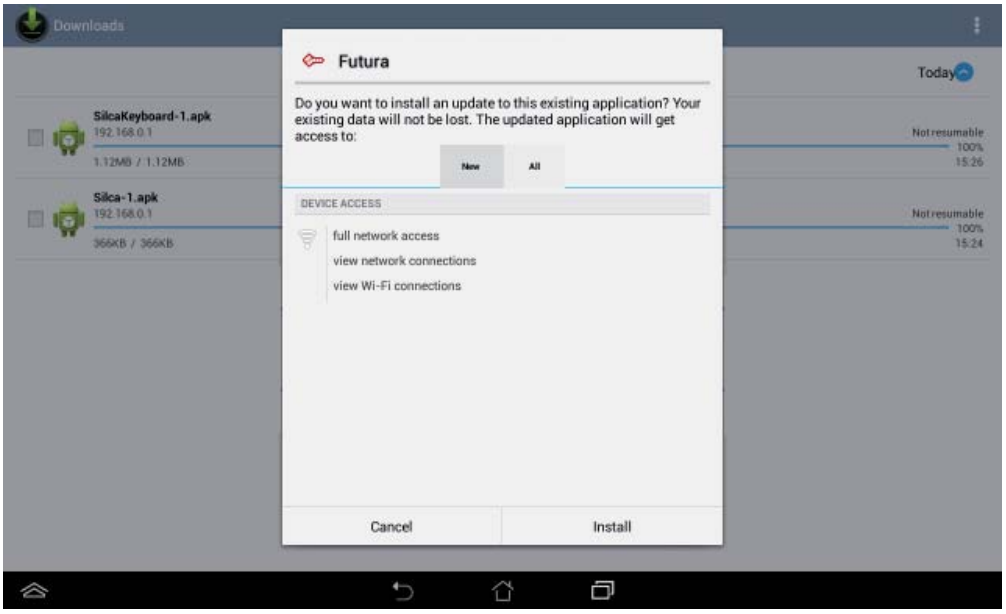

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TEL. 0438 9136 - FAX. 0438 913800

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FUTURA

complies with the requirements of the following European Directives:

European Union **DIRECTIVE 2006/42/CE** (Machines)

European Union **DIRECTIVE 2004/108/CE** (Electromagnetic Compatibility)

European Union **DIRECTIVE 1999/5/CE** (R&TTE)

European Union **DIRECTIVE 2006/95/CE** (Low Voltage) **| 14 |**

and with the

EN 55022 :2010
EN 55024 :2010
EN 61000-3-2 :2006 + A1 + A2 :2009
EN 61000-3-3 :2008
EN 301 489-1:2011 (V1.9.2)
EN 301 489-17:2012 (V2.2.1)
ETSI EN 300 328:2012 (V1.8.1)
EN 60825-1:2007
EN 62471:2008
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011
EN ISO 12100:2010
EN 62233:2008

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General Manager Basic Production Center

Stefano Setti

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Mozambique	Davel Importacao Comercio e Servicos	Rua Do Carmo NR.54 - 3° Solat	Coimbra	3000	+351 239833858	+351 914506747
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Norway	Prodib Ab	Montorgat 16	Eskilstuna	632 29	+46-16-168000	+46-16-145590 prodib@prodib.se
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Poland	Z.P.U.H. Expres Wojcieck Kowalczyk	32-447 Siepraw 795	Siepraw		+48-1227-46365	+48-1227-46365 expres@expres.pl
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South Africa	Sanlic International (Pty) Ltd.	46, Hulbert Street New Centre	Johannesburg		+27-11-4939717	+27-11-6831312 acoetzee@voltex.co.za
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Venezuela	La Casa del Cerrajero C.A.	Av. Principal de Maripérez	Caracas		+58-212-793-0083	+58-212-781-8692 cerrajero@cantv.net
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